

1 UNITED STATES DISTRICT COURT  
2 NORTHERN DISTRICT OF CALIFORNIA  
3  
4 SAN FRANCISCO DIVISION

5 **IN RE GOOGLE PLAY STORE**  
6 **ANTITRUST LITIGATION**

Case No. 3:21-md-02981-JD

7 THIS DOCUMENT RELATES TO:

8 *Epic Games, Inc. v. Google LLC et al.*, Case  
9 No. 3:20-cv-05671-JD

10 *In re Google Play Consumer Antitrust*  
11 *Litigation*, Case No. 3:20-cv-05761-JD

12 *State of Utah et al. v. Google LLC et al.*, Case  
13 No. 3:21-cv-05227-JD

14 *Match Group, LLC et al. v. Google LLC et al.*,  
15 Case No. 3:22-cv-02746-JD

**[PROPOSED] ORDER RE: OMNIBUS  
MOTION TO SEAL MATERIALS  
SUBMITTED IN CONNECTION WITH  
THE SUMMARY JUDGMENT AND  
DAUBERT BRIEFING**

Judge: Hon. James Donato

Having considered the Omnibus Motion to Seal Materials Submitted in Connection with The Summary Judgment and Daubert Briefing and any materials submitted in support thereto, pursuant to Local Rules 7-11 and 79-5;

**IT IS HEREBY ORDERED:**

The following portions of Google's Motion for Partial Summary Judgment and all relevant exhibits [MDL Dkt. No. 480], Google's Motion to Exclude Opinions Offered by Marc Rysman and all relevant exhibits [MDL Dkt. No. 484], Match Plaintiffs' Motion for Partial Summary Judgment and all relevant exhibits [MDL Dkt. No. 486], Google's Motion to Exclude Opinions Offered by Hal Singer and all relevant exhibits [MDL Dkt. No. 487], Google's Opposition to Match Plaintiffs' Motion for Partial Summary Judgment and all relevant exhibits [MDL Dkt. No. 506], Plaintiffs' Opposition to Google's Motion to Exclude Opinions Offered by Hal Singer and all relevant exhibits [MDL Dkt. No. 508], Plaintiffs' Opposition to Google's Motion for Partial Summary Judgment and all relevant exhibits [MDL Dkt. No. 509], Plaintiffs' Opposition to Google's Motion to Exclude Opinions Offered by Marc Rysman and all relevant exhibits [MDL Dkt. No. 512], and Google's Reply In Support Of Motion to Exclude Opinions Offered by Hal Singer [MDL Dkt. No. 524] may be filed under seal:

C. Cramer Decl. Exhibit	Document or Portion of Document Sought to be Sealed	Designating Party	Ruling
Match Plaintiffs' Motion for Partial Summary Judgment and all relevant exhibits [Dkt. No. 486]			
Exhibit A1	Page 3 (under "Contact email"; under "Play Console login email"; and under "Application package name")	Match Plaintiffs (Purves Declaration ¶ 7)	
Exhibit A1	Page 5 (under "Contact email"; under "Play Console login email"; and under "Application package name")	Match Plaintiffs (Purves Declaration ¶ 8)	
Exhibit A1	Page 10, Paragraph 8 (app developers listed in figure).	Google (Cramer Declaration ¶10)	

Exhibit A1	Page 11, Paragraph 8 (app developers listed in figure).	Google (Cramer Declaration ¶11)	
Exhibit A1	Page 12, Paragraph 9 (app developers listed in figure).	Google (Cramer Declaration ¶12)	
Exhibit A1	Page 13, Paragraph 10 (app developers listed in figure).	Google (Cramer Declaration ¶13)	
Exhibit A1	Page 13, Paragraph 10 (after “Estimate Financial Gain” to end of sentence”).	Google (Cramer Declaration ¶14)	
Exhibit A1	Page 13, Paragraph 11 (between “like Match” and “began as a web business”).	Google (Cramer Declaration ¶15)	
Exhibit A1	Page 25, Paragraph 25 (between “(as at 5/25):” and “of apps”; between “of apps” and “total) that requested”; between “3/31; of which” and “of app updates”; all figures in rows named “Managed” and “Ecosystem & Unmanaged” and “Total”).	Google (Cramer Declaration ¶16)	
Exhibit A1	Page 28, Paragraph 29 (between “hurt user experience and revenue.” and “And with this additional tax”).	Google (Cramer Declaration ¶17)	
Exhibit A1	Page 34 (chart below “Tinder Value Breakdown”; between “In 2018” and end of bullet point)	Match Plaintiffs (Purves Declaration ¶ 9)	
Exhibit A2	Exhibit 6	Amazon (Morrill Declaration)	
Exhibit A2	Exhibit 6, Page -940 (app developer names and logos following “Match” in the slide).	Google (Cramer Declaration ¶18)	
Exhibit A2	Exhibit 6, Page -941 (app developer logos between “Tinder” and “Epic Games”; app developer name and logo following “Epic Games”; between “avoid 30% cut The	Google (Cramer Declaration ¶19)	

	Verge July 2019” and “Epic trying to launch”; between “Play Billing integration” and end of slide).		
Exhibit A2	Exhibit 6, Page -945 (app developer logos before and following “Match” in the slide).	Google (Cramer Declaration ¶20)	
Exhibit A2	Exhibit 6, Page -948 (between “20 UAC partners” and “of tot UAC”; all figures in columns named “Parent Name” and “2019 UAC Spend” and “% of Total 2019 UAC”).	Google (Cramer Declaration ¶21)	
Exhibit A2	Exhibit 6, Page -948, row 13 of table	Activision Blizzard (Robinson Declaration)	
Exhibit A2	Exhibit 6, Page -948, tenth row from the bottom of the chart	Alibaba (Zhao Declaration)	
Exhibit A3	Exhibit 7, Page -994 (app developer names and logos except “Epic Games” and “Tinder” and “Match”).	Google (Cramer Declaration ¶22)	
Exhibit A3	Exhibit 7, Page -996 (between “How This Plays Out” and “all functions to drive”; between “trust the forefront” and “Unlock GPB integration”; between “need to be ready “Day 1” and end of slide).	Google (Cramer Declaration ¶23)	
Exhibit A3	Exhibit 7, Page -997 (between “Play Payments Policy - Assumptions” and “Impact will be”).	Google (Cramer Declaration ¶24)	
Exhibit A3	Exhibit 7, Page -998 (between beginning of column and “YT/1P”; between “FOP Gap remediation Program” and end of column; entire chart below months).	Google (Cramer Declaration ¶25)	

Exhibit A3	Exhibit 7, Page -999 (between “Risks & Assumptions” and “and YT are”; between “accommodations. Mitigation:” and “COVID-19 landscape is”; between “unpredictable. Mitigation:” and “Mitigation:”; between “Mitigation:” and end of slide).	Google (Cramer Declaration ¶26)	
Exhibit A3	Exhibit 7, Page -000 (between “Key Developers (LRAP++ etc)” and “Nest”; between “Nest” and “YT”; between “follow-up on Priority” and “Pfeng: Flag in”; between “townhall for Policy” and “Investigate the enforcement”).	Google (Cramer Declaration ¶27)	
Exhibit A3	Exhibit 7, Page -002 (entire chart in slide).	Google (Cramer Declaration ¶28)	
Exhibit A3	Exhibit 7, Page -004 (between “PRDs for console are there” and “Subs variants sequencing”).	Google (Cramer Declaration ¶29)	
Exhibit A3	Exhibit 7, Page -005 (between “We will keep current investment in” and “We will be thoughtful in our approach”).	Google (Cramer Declaration ¶30)	
Exhibit A3	Exhibit 7, Page -007 (entire slide except slide header and column headers).	Google (Cramer Declaration ¶31)	
Exhibit A3	Exhibit 7, Page -010 (between beginning of column and “LRAP++”; between “LRAP++” and “YT/P”; between “FOP Gap remediation Program” and end of column; entire chart below months).	Google (Cramer Declaration ¶32)	
Exhibit A3	Exhibit 7, Page -013 (between “Why:” and “will also require similar flexibility”; between “When:” and “This needs to be	Google (Cramer Declaration ¶33)	

	built in Q3”).		
Exhibit A3	Exhibit 7, Page -015 (between beginning of sentence and “- Policy”).	Google (Cramer Declaration ¶34)	
Exhibit A3	Exhibit 7, Page -016 (between “Device delegation” and “Wear - Free Acquisition”).	Google (Cramer Declaration ¶35)	
Exhibit A3	Exhibit 7, Page -018 (between beginning of sentence and “What are we building?”).	Google (Cramer Declaration ¶36)	
Exhibit A3	Exhibit 7, Page -019 (between “Principles” and “-Light the Path”; between “Get out house in order” and “Re examine FOP”; between “sprints not a marathon” and “Leads “Office hours” for”; between “for fast decision making.” and end of sentence).	Google (Cramer Declaration ¶37)	
Exhibit A3	Exhibit 7, Page -020 (between “Step2:” and “Enable Accelerators, LRAP ++”; between “1P resolved” and “landed (or close)”; between “Assumptions” and “Eng work could run”).	Google (Cramer Declaration ¶38)	
Exhibit A4	Exhibit 13, Page -914 (between “_Assigned to Danielle Martinak_” and “https://docs.google.com/spreadsheets/d/1et-” ; between “com.match.android.matchmobile gets it to 96%” and “Commented [5]:Yes! Thanks” ).	Google (Cramer Declaration ¶39)	
Exhibit A4	Exhibit 13, Page -915 (all figures in rows named “CURRENT” and “ORIGINAL” in chart).	Google (Cramer Declaration ¶40)	
Exhibit A4	Exhibit 13, Page -917 (between “across the Match portfolio by” and end of sentence).	Google (Cramer Declaration ¶41)	

Exhibit A5	Exhibit 16, Page 6, All information in the table relating to Spotify	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit A5	Exhibit 16, Page -354 (between “back to exclusive GPB” and end of sentence).	Google (Cramer Declaration ¶42)	
Exhibit A5	Exhibit 16, Page -355 (between “platform (similar to” and end of sentence).	Google (Cramer Declaration ¶43)	
Exhibit A5	Exhibit 16, Page -357 (between “Tinder’s decision-making:” and “Note that the model does”).	Google (Cramer Declaration ¶44)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165245, Paragraph 4 (between “better for the ecosystem” and end of sentence).	Google (Cramer Declaration ¶45)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165246, Paragraph 3 (between “plan to discuss” and “in the same discussion”).	Google (Cramer Declaration ¶46)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165246, Bullet Point 4 (between “standard terms for” and end of sentence).	Google (Cramer Declaration ¶47)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Bullet Point 1 (between “would move them” and “recommendation is Jamie”).	Google (Cramer Declaration ¶48)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Bullet Point 2 (between “Messaging” and “- we value”; between “with them on” and “deal”; between “get us to” and “additional product”).	Google (Cramer Declaration ¶49)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Bullet Point 3 (between “via the app hence”	Google (Cramer Declaration ¶50)	

	and “We”; between “consumption-only” and “Similar approach”).		
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Bullet Point 6 (start of sentence and “we are prepared”; between “to offer” and “NOTE”; between “exec approvals?” and “(details)”; between “new tier?” and “Available to”; between “devs with” and “Requires”).	Google (Cramer Declaration ¶51)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Line 1. (start of sentence and “If”; between “If” and “is approved for”; between “proposal to” and “soon (asap)”; between “allocation issue for” and “so if we”; between “ahead with” and “let's offer”; between “For” and “this gives us”).	Google (Cramer Declaration ¶52)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Bullet Point 6: All text in after “devs with” and before “Requires”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit A6	Exhibit 20, GOOG-PLAY-001165247, Line 1: All text in the first sentence after “and” and before “If” All text in the second sentence after “proposal to” and before “soon (asap)” All text in the third sentence after “For” and before “this gives us”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit A6	Exhibit 20, Page ending in Bates GOOG-PLAY-001165248, Paragraph 1: All text after “with us?” until the end of the paragraph	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	



Exhibit A6	Exhibit 20, Page ending in Bates GOOG-PLAY-001165248, Paragraph 3: All text in the paragraph	Spotify (Declaration of Sandra Alzetta ¶¶ 14- 15)	
Exhibit A6	Exhibit 20, GOOG-PLAY- 001165248, Paragraph 1 (between “With” and “how do we deal”).	Google (Cramer Declaration ¶53)	
Exhibit A6	Exhibit 20, GOOG-PLAY- 001165248, Paragraph 2 (between “KR> Yes” and “may keep”; between “may keep” and “engaged”; between “to go to” and “to qualify for”; between “to qualify for” and end of sentence”).	Google (Cramer Declaration ¶54)	
Exhibit A6	Exhibit 20, GOOG-PLAY- 001165248, Paragraph 3 (between “For” and “we let them know”).	Google (Cramer Declaration ¶55)	
Exhibit A7	Exhibit 22, GOOG-PLAY- 011456520, 9/30 - Match Next Steps (between “Everest w/ Cloud” and “as example”).	Google (Cramer Declaration ¶56)	
Exhibit A7	Exhibit 22, GOOG-PLAY- 011456521, 7/1/21 (between “In 2022, would have” and “Want to keep”).	Google (Cramer Declaration ¶57)	
Exhibit A7	Exhibit 22, GOOG-PLAY- 011456522, 6/25 Weekly Progress (between “FR status to Match below” and “Redacted – Privilege”; between “Redacted – Privilege” and “Payment methods”; between “Payment methods” and “Add-ons/ flexible offers”).	Google (Cramer Declaration ¶58)	
Exhibit A7	Exhibit 22, GOOG-PLAY- 011456523, 6117 - Questions	Google (Cramer Declaration ¶59)	

	from Peter (between “(Sent to Match on 5/21~)” and “Redacted – Privilege”; between “Redacted – Privilege” and “Payment methods”; between “Payment methods” and “Add-ons/ flexible offers”).		
Exhibit A7	Exhibit 22, GOOG-PLAY-011456523, 6/16 - Don / Gary Debrief (between “No allusions to senate” and “Part 2”).	Google (Cramer Declaration ¶60)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456524, Part 2 (between “wasn't worth doing” and “Product”).	Google (Cramer Declaration ¶61)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456524, 5/26/21 (between “What Gary hopes to get out of the meeting?” and “Redacted – Privilege”).	Google (Cramer Declaration ¶62)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456524, Commented [10] (between “to be wrapped up” and “but worth noting”).	Google (Cramer Declaration ¶63)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456525, 5/21/21 (between “Closing out issues” and “Penalty for missing”; between “Remove grace period” and “The date for phase 2”).	Google (Cramer Declaration ¶64)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456525, 5/19/21 (between “Communicate spirit” and “Is it just GPB”).	Google (Cramer Declaration ¶65)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456526, 5/13/21 - SPDR (between “Make sure we get” and “Start with asking why”; between “Start with asking why” and “Billing Timelines”;	Google (Cramer Declaration ¶66)	

	between “AVP developers i.e.” and “No surprises”; between “proration as leverage” and “In principle in favor”; between “at AVP level” and “Right exec mapping”).		
Exhibit A7	Exhibit 22, GOOG-PLAY-011456527, 5/3 - Contract Walkthrough (between “of policy change” and “It's not a state”).	Google (Cramer Declaration ¶67)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456529, 4/13 - DMF Contract Review (between “will we hit” and “Unknowable”).	Google (Cramer Declaration ¶68)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456530, 4/13 - DMF Contract Review (between “submissions and allocation” and “- will be very different”).	Google (Cramer Declaration ¶69)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456531, 3/30 - Match AVP Feedback w/ Legal (between “Term & Termination” and “Product Requirements”).	Google (Cramer Declaration ¶70)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456534, 2/18 (between “Peter Contract Review/Feedback” and “We didn't even want”; between “Play Points” and “July 1st”).	Google (Cramer Declaration ¶71)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456538, 1/6/21 (between “UAC” and “AVP deal”).	Google (Cramer Declaration ¶72)	
Exhibit A7	Page ending -539 (between “Subs” and “they come”)	Match Plaintiffs (Purves Declaration ¶ 21)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456539, 1/6/21 (between	Google (Cramer Declaration ¶73)	

	“Promotions” and “Marketing spend”; between “Marketing spend” and “10/13”).		
Exhibit A7	Exhibit 22, GOOG-PLAY-011456539, 10/13 (between “into this even more” and “Ian: LTV?”; between “Dhruv” and “Peter: Actually let me check”; between “PLAY POINTS” and “Less interested in installs”).	Google (Cramer Declaration ¶74)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456540, 10/13 (between “get the spreadsheet” and “Promos=”; between “Promos=” and “Play Points=”; between “Play Points=” and “Cloud”; between “Cloud” and “10/13/20”).	Google (Cramer Declaration ¶75)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456540, 10/13/20 (between “Dhruv--” and “Joe -- Across all Android platforms?”; between “not Match or Tinder” and “Joe - I understand the mechanics now”).	Google (Cramer Declaration ¶76)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456541, 10/13/20 (between “Danielle - how did you think about it?” and “SWOOP”).	Google (Cramer Declaration ¶77)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456541, 10/13/20 (between “years to come etc.” and “Summary”).	Google (Cramer Declaration ¶78)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456542, 10/13/20 (between “Summary” and “We could see SWOOP”; between “do some math here” and “Joe, INSTALLS”).	Google (Cramer Declaration ¶79)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456542, 9/28/20 (between	Google (Cramer Declaration ¶80)	

	“meeting with CFO” and “High Level Feedback from Peter”).		
Exhibit A7	Exhibit 22, GOOG-PLAY-011456543, 9/28/20 (between “High Level Feedback from Peter” and “We will give up”; between “Program Spend Summary [estimated spend]” and “9/03/20”).	Google (Cramer Declaration ¶81)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456544, 9/03/20 (between “relationship to date” and “Gain buy-in”).	Google (Cramer Declaration ¶82)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456545, 9/03/20 (between “isolation from sales process” and “Clark”).	Google (Cramer Declaration ¶83)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456546, 8/25/20 (between “Ayesha said yes” and “I think this points”).	Google (Cramer Declaration ¶84)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456547, Commented [28] (between “utilize and think about” and “share our capabilities”).	Google (Cramer Declaration ¶85)	
Exhibit A7	Exhibit 22, GOOG-PLAY-011456549, 8/13/20 (between “Joe Confirming understanding” and “Joe & team”).	Google (Cramer Declaration ¶86)	
Exhibit A7	Page ending -553 (between “Match is a” and “business”)	Match Plaintiffs (Purves Declaration ¶22)	
Exhibit A7	Exhibit 23, GOOG-PLAY-011665307 (between “(as at 5/25)” and “of apps”; between “of apps” and “total”; between “of which” and “of app updates”; all numbers under column “Total	Google (Cramer Declaration ¶87)	

	Apps”; all numbers under column “Total app updates submitted”; all numbers under column “Compliant”; all numbers under column “Not Compliant”; Note 1, between “UCB app” and “API apps”; between “API apps” and “and”; between “and” and “apps removed”; between “from enclave” and end of sentence).		
Exhibit A8	Exhibit 23, GOOG-PLAY-011665308 (all numbers under column “APK”; all numbers under column “Parent Name”; Bullet Point 2, between start of sentence and “expected to be”; Bullet Point 3, between “Other notable apps” and end of sentence).	Google (Cramer Declaration ¶88)	
Exhibit A8	Exhibit 23, GOOG-PLAY-011665309 (between “Of the” and “apps”; between “apps” and “of grace exemption”; between “unknown” and “are managed”; between “partner apps” and “of the unknowns”; all numbers under column “Total Grace Period Apps”; all numbers under column “Unknown (No Submissions)”; all numbers under column “Has updated apps in 2022”; Note 1, between “UCB app” and “API apps”; between “API apps” and “and”; between “and” and “apps removed”; between “from enclave” and end of sentence).	Google (Cramer Declaration ¶89)	
Exhibit A8	Exhibit 23, GOOG-PLAY-011665310 (all numbers under column “Developer”; Note, between “While” and “and”; between “and” and “plan to”).	Google (Cramer Declaration ¶90)	

Exhibit A8	Exhibit 23, GOOG-PLAY-011665312 (all numbers under column “# of Apps”).	Google (Cramer Declaration ¶91)	
Exhibit A8	Exhibit 23, GOOG-PLAY-011665317 (all numbers under column “APK”; row 22 under column “Match or Ban.”; all numbers under column “Parent Name”; Bullet Point 2, between start of sentence and “expected to be”; Bullet Point 3, between “Other notable apps” and end of sentence).	Google (Cramer Declaration ¶92)	
Exhibit A9	Exhibit 24, Page -863 (between “Dev status update” and “Open: KR date”; between “Dev status update” and “Open: KR date”).	Google (Cramer Declaration ¶93)	
Exhibit A9	Exhibit 24, Page -864 (between “Media Experience Program -” and “Dec 2nd”).	Google (Cramer Declaration ¶94)	
Exhibit A9	Exhibit 24, Page -865 (between “(Kerry):” and “like it”; between “Media Experience Program” and “ETA - Ask”).	Google (Cramer Declaration ¶95)	
Exhibit A9	Exhibit 24, Page -866 (between “YT” and “etc. 1. BDMs”; between “b.” and “followup today.”).	Google (Cramer Declaration ¶96)	
Exhibit A9	Exhibit 24, Page -867 (between “b.” and “followup today.”; between “language (apps...” and “Oct 15”).	Google (Cramer Declaration ¶97)	
Exhibit A9	Exhibit 24, Page -870 (between “solution to others” a.” and “publishing integration”; between “console can extend” and “integration successful”).	Google (Cramer Declaration ¶98)	
Exhibit A9	Exhibit 24, Page -871 (between “have input from” and “so far”; between “so far” and “is	Google (Cramer Declaration ¶99)	

	outstanding”; between “other conversations.” and “is a WIP as”).		
Exhibit A9	Exhibit 24, Page -872 (between “Developers next steps” and “Working doc and AIs”).	Google (Cramer Declaration ¶100)	
Exhibit A9	Exhibit 24, Page -873 (between “Closed for” and “we are making progress”; between “the TV apps” and “aGPB / Multiplatform”).	Google (Cramer Declaration ¶101)	
Exhibit A9	Exhibit 24, Page -875 (between “Examples:” and “applied and are asking”; between “the running except” and “Rakutan eng cannot”).	Google (Cramer Declaration ¶102)	
Exhibit A9	Exhibit 24, Page -876 (between “translated externally (e.g.” and “a. Challenge for BD”; between “digital nuance” and “negotiations are stuck”).	Google (Cramer Declaration ¶103)	
Exhibit A9	Exhibit 24, Page -877 (between “Jul 30, 2021 1.” and “escalation - location”; between “TVAP d.” and “continues on Rikako”).	Google (Cramer Declaration ¶104)	
Exhibit A9	Exhibit 24, Page -878 (between “(Check” and “iii. Danielle Stein”).	Google (Cramer Declaration ¶105)	
Exhibit A9	Exhibit 24, Page -884 (between “engage more partners” and “has flagged”; between “couple months” and “proposal pending”; between “testing updates” and “Can we plan”).	Google (Cramer Declaration ¶106)	
Exhibit A9	Exhibit 24, Page -885 (between “abt twitch” and “Can we review”).	Google (Cramer Declaration ¶107)	
Exhibit A9	Exhibit 24, Page -889 (between “Working group” and “Next	Google (Cramer Declaration	



	steps: Commerce”).	¶108)	
Exhibit A9	Exhibit 24, Page -890 (between “2021/05/13 1.” and “a. May process FOPs”; between “a. Open:” and “Is bundle upgrade allowed”; between “Kang how does” and “feel about now”; between “feel about now c.” and “Skilled cross platform”; between “Demonstrable progress” and “YT have communicated”; between “Request from” and “BCAP was approved last”).	Google (Cramer Declaration ¶109)	
Exhibit A9	Exhibit 24, Page -891 (between “Subs product” and “Internal approvals next”; between “partners status as well” and “No update this week”; between “E.g. Web” and subscriber upgrades”; between “upgrades to” and “app on Play”).	Google (Cramer Declaration ¶110)	
Exhibit A9	Exhibit 24, Page -892 (between “developers for Sept” and “No points integration”; between “priority for now” and “Multiplatform is open”; between “definition a. YT” and “UCGPB”).	Google (Cramer Declaration ¶111)	
Exhibit A9	Exhibit 24, Page -893 (between “ads cuts Monday” and “update – moving forward”; between “UCGPB?” and “update a. Shared UCGPB”).	Google (Cramer Declaration ¶112)	
Exhibit A9	Exhibit 24, Page -894 (between “level of confidence” and “Cross sell app”).	Google (Cramer Declaration ¶113)	
Exhibit A9	Exhibit 24, Page -895 (between “2021 4 6” and “update”; between “Proposed” and “solution to publish full”;	Google (Cramer Declaration ¶114)	

	between “a solution for” and “Console OK”; between “[FYI]” and “finalizing detailed integration”; between “integration proposal for” and “to.”; between “to their main” and “Books app”; between “and discuss with” and “Console alignment”).		
Exhibit A9	Exhibit 24, Page -896 (between “Gordon tracking” and “partners”; between “2021-3-25” and “Discussed with”; between “Discussed with” and “details of proposal”; between “of proposal for” and “to publish their”).	Google (Cramer Declaration ¶115)	
Exhibit A9	Exhibit 24, Page -897 (between “whatever we need to” and “MGPB”; between “Priorities for the week” and “path decision”; between “AGBP Updates” and “satisfied by per-transaction”; between “Important for” and “deal.”).	Google (Cramer Declaration ¶116)	
Exhibit A9	Exhibit 24, Page -899 (between “Large number of SKU” and “2021-3-05”; between “from YT and” and end of sentence).	Google (Cramer Declaration ¶117)	
Exhibit A9	Exhibit 24, Page -900 (between “critical blocking issue” and “need to give guidance on”; between “hitting enforcement date” and “Blocked, Bec”; between “Kang update on” and “Alpha launch from”; between “Alpha launch from” and “in April; pending”; between “share the implementation” and “all deals by May”; between “May on track” and “In version”; between “number of SKU” and end of sentence).	Google (Cramer Declaration ¶118)	

Exhibit A9	Exhibit 24, Page -901 (between “blocking issue for” and “need to give”; between “hitting enforcement date” and “Blocked, Bec”; between “additional partners including” and [Olivia/DanielleM] Are there any”; between “info from YT and” and “11. KR”).	Google (Cramer Declaration ¶119)	
Exhibit A9	Exhibit 24, Page -904 (between “Partners” and “Email testing in”; between “legal call next week” and “Ebook devs have”; between “number of SKU” issue” and “No major update”; between “No major update” and “1 day subs and”).	Google (Cramer Declaration ¶120)	
Exhibit A9	Exhibit 24, Page -906 (between “rate is currently” and “meaning that there”; between “that there are” and “apps didn’t comply”; between “Partners Update” and “Working on aligning”; between “international pricing updates” and “Meeting yesterday and”; between “might be a good POC” and “also should be engaged”; between “Austin” and “Provided offer and waiting”).	Google (Cramer Declaration ¶121)	
Exhibit A9	Exhibit 24, Page -907 (between “engs heads up” and “-modular”; between “phasing some things” and “- Opt out pricing”)	Google (Cramer Declaration ¶122)	
Exhibit A9	Exhibit 24, Page -908 (between “role in carriers (e.g.” and “into this plan”; between “card promotion with” and “Closed”).	Google (Cramer Declaration ¶123)	
Exhibit A9	Exhibit 24, Page -909 (between “Opens for policy” and “Ask what they”; between “will be sending to” and “1/22”; between “card promotion with” and	Google (Cramer Declaration ¶124)	

		“Rollup to KR”).		
Exhibit A9	Exhibit 24, Page -910 (between “Opens for policy” and “Next steps.”; between “align with” and “legal on Country”; between “card promotion with” and “Rollup to KR”).	Google (Cramer Declaration ¶125)		
Exhibit A9	Exhibit 24, Page -911 (between “Pex approval was for” and “etc”; between “Next step: offer to” and “in Jan”; between “G1” and “YT, Books, Movies”).	Google (Cramer Declaration ¶126)		
Exhibit A9	Exhibit 24, Page -912 (between “Review” and “Operator language”; between “In app comms &” and “& gift cards”).	Google (Cramer Declaration ¶127)		
Exhibit A9	Exhibit 24, Page -913 (between “Fraud vector –“ and “is putting a proposal”; between “to talk to” and “previous writeup”; between “what we offer to” and “revisit in Jan”; between “just a writeup” and “and stadia is”).	Google (Cramer Declaration ¶128)		
Exhibit A9	Exhibit 24, Page -915 (between “X functional meet.” and “MGPB Workback”).	Google (Cramer Declaration ¶129)		
Exhibit A9	Exhibit 24, Page -917 (between “conversion for exception” and “Summit. Next week”).	Google (Cramer Declaration ¶130)		
Exhibit A9	Exhibit 24, Page -918 (between “being closely managed” and “Al: Divya Chandra”; between “Meeting next week.” and “Danielle Stein Contagion”).	Google (Cramer Declaration ¶131)		
Exhibit A9	Exhibit 24, Page -920 (between “Consolidate asks” and “needs escalation”; between “Not on AVP” and “counter proposal given”; between “counter proposal given” and “thinking	Google (Cramer Declaration ¶132)		

	over the proposal for a week”; between “not available for” and “(Only for ATV Launcher”; between “carriers contractual discussion” and “29th ideation meeting”).		
Exhibit A9	Exhibit 24, Page -922 (between “Progress :-)” and “counter proposal given”; between “counter proposal given” and “pitch MGBP”; between “pitch MGBP” and “meeting on 29th”).	Google (Cramer Declaration ¶133)	
Exhibit A9	Exhibit 24, Page -923 (between “Progress :-)” and “counter proposal given”; between “counter proposal given” and “pitch MGBP”; between “pitch MGBP” and “meeting on 29th”).	Google (Cramer Declaration ¶134)	
Exhibit A9	Exhibit 24, Page -924 (between “Design blog post” and “Payments followup”).	Google (Cramer Declaration ¶135)	
Exhibit A9	Exhibit 24, Page -925 (between “Large games groups” and “have sophisticated billing”).	Google (Cramer Declaration ¶136)	
Exhibit A9	Exhibit 24, Page -926 (between “Thanksgiving started” and “K- internet send”).	Google (Cramer Declaration ¶137)	
Exhibit A9	Exhibit 24, Page -927 (between “announcement workstreams” and “Product: in app”; between “new proposal targeted” and “Similar product to”; between “Similar product to” and “Meeting? Al”).	Google (Cramer Declaration ¶138)	
Exhibit A9	Exhibit 24, Page -928 (between “policy no escalations” and “Apps coalition: neutral”; between “after the announcement” and “Explained programmes”; between “user	Google (Cramer Declaration ¶139)	

	promotion” and “asked about the velocity”; between “interaction taking place now” and “are top of mind”; between “category is concerned” and “deeper discussion”; between “deeper discussion on” and “on going”; between “Prebrief for” and “pending OTT players”; between “takedown on security issue” and “working to get it back”).		
Exhibit A10	Exhibit 26, Page 2 of 3 (GOOG-PLAY-011363671 between “main collaboration opportunities:” and end of sentence).	Google (Cramer Declaration ¶140)	
Exhibit A11	Exhibit 27, Page 5 of 7 (GOOG-PLAY-011270140 first paragraph between “there are still gaps which are going to hurt user experience and revenue.” and end of paragraph).	Google (Cramer Declaration ¶141)	
Exhibit A11	Exhibit 27, Page 5 of 7 (GOOG-PLAY-011270140, middle of page between “We would deploy this across our platforms and globally assuming” and “We would work with”).	Google (Cramer Declaration ¶142)	
Exhibit A11	Exhibit 27, Page 6 of 7 (GOOG-PLAY-011270141 first paragraph between “wanted to relay what I heard about the status.” and end of the paragraph).	Google (Cramer Declaration ¶143)	
Exhibit A12	Exhibit 28, Page 4 of 4 (GOOG-PLAY-011220644 third bullet point between “In the interim, our offer” and “still stands. We'd be”).	Google (Cramer Declaration ¶144)	
Exhibit A12	Page ending -644 (between “Cell:” and end of line)	Match Plaintiffs (Purves Declaration ¶)	

		23)	
Exhibit A13	Exhibit 30, Page 7 of 7 (first paragraph between “Google’s damages from lost service fees to be” and “and restitution for”; between “at least in the range of” and end of sentence; second paragraph between “and July 2022 to range from” and “to”; from “to” to end of sentence).	Google (Cramer Declaration ¶145)	
Exhibit A13	Page 25 (between “2022 to range from” and “I understand”)	Match Plaintiffs (Purves Declaration ¶ 24)	
Exhibit A13	Exhibit 32, Page -903 (entire image below “Projected Revenue Loss to Play from Tinder de-integration”).	Google (Cramer Declaration ¶146)	
Exhibit A14	Page ending -899 (between “Consumer Spend” and “(Period:”; between “30%:” and end of line; and between “15%:” and end of line)	Match Plaintiffs (Purves Declaration ¶ 25)	
Exhibit A14	Page ending -902 (chart below “Tinder Value Breakdown”; between “In 2018” and end of bullet point)	Match Plaintiffs (Purves Declaration ¶ 26)	
Exhibit A14	Page ending -903 (chart below “Monthly Revenue”; chart below “2019 ROY Revenue Projection”; and two bullet points below “Current observations:”)	Match Plaintiffs (Purves Declaration ¶ 27)	
Exhibit A14	Exhibit 32, Page -904 third bullet point (between “Match.com represents” and “opportunity and has been actively”).	Google (Cramer Declaration ¶147)	
Exhibit A14	Exhibit 32, Page -905 (text within “Option #2” column, between “-Consumer Spend:”	Google (Cramer Declaration ¶148)	

	and “(Period: 2018Q1-2019Q1)*).		
Exhibit A14	Page ending -905 (three bullet points below “if needed”)	Match Plaintiffs (Purves Declaration ¶ 28)	
Exhibit A14	Exhibit 32, Page -908 (all text below the heading “In exchange for Hug: Android investment to include, but not limited to” and to the left of the “Tinder” images.).	Google (Cramer Declaration ¶149)	
Exhibit A14	Exhibit 32, Page -909 (all text and images in box below “Play will invest across Google to accelerate your success”; entire paragraph below box).	Google (Cramer Declaration ¶150)	
Exhibit A14	Exhibit 32, Page -910 (all text in box below header “Tinder - Cross-Google Service Pack Offering (Program Impact)”); entire paragraph below box).	Google (Cramer Declaration ¶151)	
Exhibit A14	Page ending -910 (between “Tinder had” and “were driven”)	Match Plaintiffs (Purves Declaration ¶ 29)	
Exhibit A14	Exhibit 32, Page -911 (text in box below header “Match Group - Cross-Google Service Pack Offering (Program Impact)”).	Google (Cramer Declaration ¶152)	
Exhibit A14	Exhibit 32, Page -913 (text between “Currently offered Hug” and “offers and service level”; all text in box below “Currently offered Hug” and “offers and service level”).	Google (Cramer Declaration ¶153)	
Exhibit A14	Exhibit 32, Page -914 (entire image including all text).	Google (Cramer Declaration ¶154)	
Exhibit A14	Exhibit 32, Page -916 (all text in	Google (Cramer	



	box below header “Hug - Cross-Google Service Pack Offering (Program Details)”).	Declaration ¶155)	
Exhibit A15	Exhibit 33, GOOG-PLAY-011667035 (entire chart).	Google (Cramer Declaration ¶156)	
Exhibit A16	Exhibit 34, GOOG-PLAY-011700994 (text between “India landscape” and “Critical features”; between “by current programs” and “If we delay”).	Google (Cramer Declaration ¶157)	
Exhibit A17	Exhibit 41, Page 148, Line 17 (between “that analysis showing” and end of sentence).	Google (Cramer Declaration ¶158)	
Exhibit A18	Exhibit 44, Page 164, Line 19 (between “that relate to” and end of sentence).	Google (Cramer Declaration ¶159)	
Exhibit A18	Exhibit 44, Page 164, Line 22 (between “Sometimes it was about” and end of sentence).	Google (Cramer Declaration ¶160)	
Exhibit A18	Exhibit 44, Page 166, Line 25 (between “And even today,” and “are”).	Google (Cramer Declaration ¶161)	
Exhibit A19	Page ending -123 (under “Contact email”; under “Play Console login email”; and under “Application package name”)	Match Plaintiffs (Purves Declaration ¶10)	
Exhibit A19	Page ending -124 (under “Contact email”; under “Play Console login email”; and under “Application package name”;	Match Plaintiffs (Purves Declaration ¶11)	
Exhibit A20	Page ending -077 (under “Contact email”; under “Play Console login email”; and under “Application package name”)	Match Plaintiffs (Purves Declaration ¶12)	
Exhibit A21	Exhibit 8, Page 28 (All information in the table relating to Spotify)	Spotify (Alzetta Declaration ¶4)	

Exhibit A21	Exhibit 8, Page 28 (All information in the table relating to Smule)	Smule (Bradford Declaration ¶3b)	
Exhibit A21	Page ending -732 (between “says basically” and “They are”)	Match Plaintiffs (Purves Declaration ¶ 13)	
Exhibit A22	Page ending -163 (between “spend was” and “On Wed”)	Match Plaintiffs (Purves Declaration ¶ 14)	
Exhibit A22	Page ending -164 (between “delivered” and “in consumer”)	Match Plaintiffs (Purves Declaration ¶ 15)	
Exhibit A22	Page ending -166 (between “grossing app” and “OKCupid”; and between “an average” and “Match Group’s”)	Match Plaintiffs (Purves Declaration ¶ 16)	
Exhibit A23	Page ending -127 (between “spend was” and “On Wed”; and between “delivered” and “in consumer”)	Match Plaintiffs (Purves Declaration ¶ 17)	
Exhibit A23	Page ending -130 (between “grossing app” and “OKCupid”; and between “an average” and “Match Group’s”)	Match Plaintiffs (Purves Declaration ¶ 18)	
<b>Google’s Opposition to Match Plaintiffs’ Motion for Partial Summary Judgment and all relevant exhibits [Dkt. No. 506]</b>			
Exhibit B1	Page 4 (between “received” and “for its”)	Match Plaintiffs (Purves Declaration ¶ 179)	
Exhibit B1	Page 8, Lines 11-15 (between “AVP delivered significant” and end of sentence; between “(one of AVP’s goals was to” and “Ex. 16, GOOG-PLAY-004684227 at -231”; between “(AVP required	Google (Cramer Declaration ¶162)	

	interested partners to” and end of sentence).		
Exhibit B1	Page 8, Lines 15-19 (between “their partnership” and “See Ex. 17”; between “GOOG-PLAY-011456496 at -496” and “Google expected Match”).	Google (Cramer Declaration ¶163)	
Exhibit B2	Exhibit 2, Page -092 (all logos in column to the left and above “Epic” and above “Inquiring”; all logos below “tinder” and above “De-integrated / In process”; all logos in column below and to the right of “Match” and above “Never Integrated”).	Google (Cramer Declaration ¶164)	
Exhibit B2	Exhibit 2, Page -100 (between “More than 116 billion downloads from Google Play last year” and “We connect developers with a consumer base that “Trusts the platform”).	Google (Cramer Declaration ¶165)	
Exhibit B2	Exhibit 2, Page -101, Developer Notes (between “downloads in the last year” and “Trusts the platform”; between “apps on users' devices” and “Can transact seamlessly”).	Google (Cramer Declaration ¶166)	
Exhibit B2	Exhibit 2, Page -109 (between “media (probably” and “ KFTC reached out”).	Google (Cramer Declaration ¶167)	
Exhibit B3	Exhibit 7, Page -724, (middle of the page between “(on average they only stay 4-5 months)” and end of paragraph).	Google (Cramer Declaration ¶168)	
Exhibit B3	Page ending -724 (between “only stay” and “). Other”)	Match Plaintiffs (Purves Declaration ¶ 180)	
Exhibit B3	Page ending -725 (between “an	Match Plaintiffs	

	average for” and “), define”)	(Purves Declaration ¶ 181)	
Exhibit B4	Exhibit 10, Page -385 (all company logos below text not including Match and Tinder).	Google (Cramer Declaration ¶169)	
Exhibit B4	Exhibit 10, Page -387 (all company logos to the right of text not including Match).	Google (Cramer Declaration ¶170)	
Exhibit B4	Exhibit 10, Page -388 (first line of text below box between “adopt Android TV/chromecast” and end of line; second line of text between “agreeable rev share terms” and end of line).	Google (Cramer Declaration ¶171)	
Exhibit B4	Exhibit 10, Page -389 (entire image).	Google (Cramer Declaration ¶172)	
Exhibit B4	Exhibit 10, Page -390 (entire image).	Google (Cramer Declaration ¶173)	
Exhibit B4	Exhibit 10, Page -392 (between beginning of first sentence inside box and “developer list:” text in row between Match Meetic and end of row; text in row between “Tinder Pairs Plentyoffish okCupid” and end for row; text in row after “Hinge and end of row; text below box from first sentence and “Dating: Match (Tinder, Match, Pairs, Plentyoffish, okCupid, Hinge, Meetic),”; text between “Dating: Match (Tinder, Match, Pairs, Plentyoffish, okCupid, Hinge, Meetic),” and end of paragraph).	Google (Cramer Declaration ¶174)	
Exhibit B4	Exhibit 10, Page -393 (below “Program will have eligibility criteria and developer obligations” and to the right of “Programs & Developer	Google (Cramer Declaration ¶175)	

	Eligibility Criteria”; text to the right of “Developer Obligation”).		
Exhibit B4	Exhibit 10, Page -395 (all text in column below “Status Update - - Pilot Approved 5/13” and to the right of “Plan to offer the App Accelerator”).	Google (Cramer Declaration ¶176)	
Exhibit B4	Exhibit 10, Page -398 (entire contents of box above “Want to land with news big”).	Google (Cramer Declaration ¶177)	
Exhibit B4	Exhibit 10, Page -399 (contents of row to the right of “Friendly”; contents of row to the right of “Friendly but not integrated”; contents of row to the right of “Not friendly not integrated”).	Google (Cramer Declaration ¶178)	
Exhibit B4	Exhibit 10, Page -400 (contents of column below “Offer to Developer” and to the right of “Subscriber Acquisition and Retention”; contents of column below “Offer to Developer” and to the right of “Infrastructure Cost Reduction”).	Google (Cramer Declaration ¶179)	
Exhibit B5	Exhibit 11, Page 232, Lines 1-5 (between “doc, there’s” and end of sentence).	Google (Cramer Declaration ¶180)	
Exhibit B5	Page 232, line 3 (between “which was a” and “incentive”)	Match Plaintiffs (Purves Declaration ¶182)	
Exhibit B6	Exhibit 13, Page -671, Wed, Jun 5, 2019 at 1:51 PM email (between “similar convo like we did with” and “(with a smaller group”).	Google (Cramer Declaration ¶181)	
Exhibit B7	Exhibit 16	Amazon (Morrill Declaration)	
Exhibit B7	Exhibit 16, Page -230 (text in	Google (Cramer	

	green below “Q2 2021” and above “AVP Deals Start”).	Declaration ¶182)	
Exhibit B7	Page ending -231 (at the cell under column “AVP Reinvestment” and row “Match Group”; and at the cell under column “Custom Deal Aspects” and row “Match Group”)	Match Plaintiffs (Purves Declaration ¶185)	
Exhibit B7	Exhibit 16, Page -231 (entire table).	Google (Cramer Declaration ¶183)	
Exhibit B7	Exhibit 16, Page -231 (References to “Smule”)	Smule (Bradford Declaration ¶3(d))	
Exhibit B7	Exhibit 16, Page -232 (between “Added” and “to this list”).	Google (Cramer Declaration ¶184)	
Exhibit B7	Exhibit 16, Page -233 (entire table).	Google (Cramer Declaration ¶185)	
Exhibit B7	Exhibit 16, Page -235 (between “AVP as there is” and “for co-investments to”; between “ADAP certification stage:” and “ADAP pitch”; between “KR partners” and “KR: currently aligning”).	Google (Cramer Declaration ¶186)	
Exhibit B7	Exhibit 16, Page -236 (entire table).	Google (Cramer Declaration ¶187)	
Exhibit B8	Exhibit 17, Page -496 (top of page, between “Match Group /” and “Meeting June 2021”; second paragraph, between “reiterate to Gary that” and end of paragraph; first bullet point, between “Reiterate spirit &” and end of sentence; second bullet, between “identified as deal” and end of sentence; third bullet, between “Match’s next steps:”	Google (Cramer Declaration ¶188)	

	and end of sentence; between “bias is the former” and “continue to work cooperatively”; between “EXECUTIVE SUMMARY” and end of page).		
Exhibit B8	Page ending -496 (chart under “AVP deal summary (as per our latest redline)”)	Match Plaintiffs (Purves Declaration ¶ 186)	
Exhibit B8	Exhibit 17, Page -497 (entire page).	Google (Cramer Declaration ¶189)	
Exhibit B8	Exhibit 17, Page -498 (between “(consistent” and “DETAILED TALKING POINTS”; between “This change will not go away in 3” and end of page).	Google (Cramer Declaration ¶190)	
Exhibit B8	Exhibit 17, Page -499 (between “PRIVILEGED & CONFIDENTIAL” and “As this is your first conversation”; between “crafting a win-win” and “Do you think Google/Play’s”).	Google (Cramer Declaration ¶191)	
Exhibit B9	Exhibit 18, Page -245 (between “Next steps with” and “Key business terms”).	Google (Cramer Declaration ¶192)	
Exhibit B9	Exhibit 18, Page -246 (between “Note:” and “Not much. Value of”; between “Value of” and “is primarily adoption”; between “Draw hard lines:” and “Use Gary/Don”).	Google (Cramer Declaration ¶193)	
Exhibit B9	Exhibit 18, Page -247 (entire page).	Google (Cramer Declaration ¶194)	
Exhibit B9	Page ending -249 (between “less than 30%” and end of line; row in chart beginning “Service fee”	Match Plaintiffs (Purves Declaration ¶	

		187)	
Exhibit B9	Exhibit 18, Page -249 (between “30% (have” and “Indifferent to whether”; entire table).	Google (Cramer Declaration ¶195)	
Exhibit B9	Exhibit 18, Page -250 (between “pre-June 30th” and “_Reassigned to Danielle Martinak_”).	Google (Cramer Declaration ¶196)	
Exhibit B9	Exhibit 18, Page -251 (between “Stretch time as long as possible” and end of slide).	Google (Cramer Declaration ¶197)	
Exhibit B9	Exhibit 18, Page -252 (entire page).	Google (Cramer Declaration ¶198)	
Exhibit B9	Page ending -252 (row in chart beginning “With Play”; row in chart beginning “With Cloud”)	Match Plaintiffs (Purves Declaration ¶ 188)	
Exhibit B9	Page ending -253 (between “committed to Cloud” and “If they don’t”)	Match Plaintiffs (Purves Declaration ¶ 189)	
Exhibit B9	Exhibit 18, Page -253 (far right column, between “Text” and “@divyachandra”; between “osalva@google.com” and “+1 assuming they”; between “go consumption only” and “@dmartinak”; between “dmartinak@google.com” and “I think the x-”; between “aenewman@google.com” and “Helpful insight.”; between “your assessment” and “It’s already contracted”; between “no matter what” and “Thanks both!”).	Google (Cramer Declaration ¶199)	
Exhibit B9	Exhibit 18, Page -254 (entire page).	Google (Cramer Declaration ¶200)	
Exhibit B9	Exhibit 18, Page -255 (text in the	Google (Cramer	



	far right column of the table, between “Text” and “Agreed. Are you”; between “one option)?” and “I recommend Option B”).	Declaration ¶201)	
Exhibit B9	Exhibit 18, Page -257 (entire slide and all text below slide).	Google (Cramer Declaration ¶202)	
Exhibit B9	Page ending -257 (row in chart beginning “Match Group”)	Match Plaintiffs (Purves Declaration ¶ 190)	
Exhibit B9	Exhibit 18, Page -259 (between “Responding to” and “Key business terms”).	Google (Cramer Declaration ¶203)	
Exhibit B9	Exhibit 18, Page -261 (between “For discussion & alignment” and end of slide).	Google (Cramer Declaration ¶204)	
Exhibit B9	Exhibit 18, Page -262 (between “Proposed gameplan: Responding to Match” and end of slide).	Google (Cramer Declaration ¶205)	
Exhibit B9	Exhibit 18, Page -264 (entire slide).	Google (Cramer Declaration ¶206)	
Exhibit B9	Page ending -264 (at the cell under column “Match’s request” and row “Billing Timelines”)	Match Plaintiffs (Purves Declaration ¶ 191)	
Exhibit B9	Exhibit 18, Page -266 (all text below the header “Redline Details: Google Gives”).	Google (Cramer Declaration ¶207)	
Exhibit B9	Exhibit 18, Page -267 (entire slide).	Google (Cramer Declaration ¶208)	
Exhibit B9	Exhibit 18, Page -269 (entire slide).	Google (Cramer Declaration ¶209)	
Exhibit B9	Page ending -269 (the image under “Issue double-click:	Match Plaintiffs (Purves	

	Installment payments”)	Declaration ¶ 192)	
Exhibit B10	Exhibit 20, Page -563 (entire table; between “deprioritized in September 2021 on” and end of page).	Google (Cramer Declaration ¶210)	
Exhibit B10	Exhibit 20, Page -564 (between beginning of page and “We’d prefer Match to wait for”; between “agreed to having the conversation:” and end of page).	Google (Cramer Declaration ¶211)	
Exhibit B10	Exhibit 20, Page -565 (between beginning of page and “Multiline subscriptions purchases or renewable”).	Google (Cramer Declaration ¶212)	
Exhibit B10	Exhibit 20, Page -567 (between “allow list that would enable the feature.” and “July - Match Group suspended”).	Google (Cramer Declaration ¶213)	
Exhibit B10	Exhibit 20, Page -568 (between “mainly Multiline for legacy SKUs subscriptions.” and “Detailed Technical Requirements”; entire row between rows named “GPB Feature/Match group app” and “Additional FOPs”).	Google (Cramer Declaration ¶214)	
Exhibit B10	Exhibit 20, Page -569 (between “Available Solutions” and “2. Additional FOPs: Google ran”)	Google (Cramer Declaration ¶215)	
Exhibit B10	Exhibit 20, Page -571 (between “[internal only] Match group” and “integration roadmap proposal”).	Google (Cramer Declaration ¶216)	
Exhibit B11	Exhibit 22, Page -115 (between “for remaining requirements. Done:” and “Today: Other features”).	Google (Cramer Declaration ¶217)	
Exhibit B11	Exhibit 22, Page -116 (between	Google (Cramer	

	“Subscription bundles” and “One day prepaid plans”).	Declaration ¶218)	
Exhibit B11	Exhibit 22, Page -118 (between “_ Reassigned to Joseph Mills_” and “SEPA isn’t a FOP”; between “not a FOP on our roadmap” and end of slide).	Google (Cramer Declaration ¶219)	
Exhibit B11	Exhibit 22, Page -122 (entire slide).	Google (Cramer Declaration ¶220)	
Exhibit B11	Exhibit 22, Page -124 (between row named “Subscription bundles” and row named “One day prepaid plans”).	Google (Cramer Declaration ¶221)	
Exhibit B11	Exhibit 22, Page -134 (between “2, 4, 8 Month Subscription Periods” and “One Day Pre-Paid Plans”).	Google (Cramer Declaration ¶222)	
Exhibit B11	Exhibit 22, Page -136 (all text between top slide and “Match Requested Feature”).	Google (Cramer Declaration ¶223)	
Exhibit B12	Page ending -739 (between “2. On POF” and “4. Lastly”)	Match Plaintiffs (Purves Declaration ¶ 183)	
Exhibit B12	Page ending -740 (between “unfortunately” and end of paragraph)	Match Plaintiffs (Purves Declaration ¶ 184)	
Exhibit B13	Pages 1–14	Match Plaintiffs (Purves Declaration ¶ 193)	
Exhibit B14	Pages ending -403–424	Match Plaintiffs (Purves Declaration ¶ 194)	
<b>Google’s Motion for Partial Summary Judgment and all relevant exhibits [Dkt. No. 480]</b>			
Exhibit C1	Exhibit 12, Page 8 lines 23	Activision	

	words 8–9	Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 8 line 25 word 6	Activision Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 9 line 7, first word following the citation	Activision Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 9 line 7 (the last two words) through line 9 (through and including word 4)	Activision Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 11 lines 2–5 (through and including word 8)	Activision Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 11 lines 7–10 in their entirety	Activision Blizzard (Robinson Declaration)	
Exhibit C1	Exhibit 12, Page 11 lines 13-14 (between “Brian Cho,” and “(GOOG-PLAY-000226939;”)	Riot (Nabel Declaration ¶2)	
Exhibit C1	Exhibit 12, Page 13, Line 28 (between “paid Riot” and “(GOOG-PLAY-000928690”).	Google (Cramer Declaration ¶225)  Riot (Nabel Declaration ¶2)	
Exhibit C1	Exhibit 12, Page 14, Lines 15 to 16 (between “Supercell “up to” and “in cash incentives”).	Google (Cramer Declaration ¶226)	
Exhibit C2	Exhibit 13, Page 15, Lines 17 to 19 (between “at various times,” and end of sentence).	Google (Cramer Declaration ¶227)	
Exhibit C2	Exhibit 13, Page 15, Note 1	Google (Cramer	

	(between “Herein,” and “and all predecessors”).	Declaration ¶228)	
Exhibit C2	Exhibit 13, Page 18 lines 10–13 (up to the first comma)	Activision Blizzard (Robinson Declaration)	
Exhibit C2	Exhibit 13, Page 18 lines 15–18 in their entirety	Activision Blizzard (Robinson Declaration)	
Exhibit C2	Exhibit 13, Page 18 lines 21–22 (between “Brian Cho,” and “GOOG-PLAY-000226939;”)	Riot (Nabel Declaration ¶2)	
Exhibit C2	Exhibit 13, Page 20 lines 12–18, 20–25 in their entirety	Activision Blizzard (Robinson Declaration)	
Exhibit C2	Exhibit 13, Page 21 line 4 (from the word following the citation) through line 6 (up to “Google believed”)	Activision Blizzard (Robinson Declaration)	
Exhibit C2	Exhibit 13, Page 21 lines 7 (from “Id.”) through and including line 14	Activision Blizzard (Robinson Declaration)	
Exhibit C2	Exhibit 13, Page 21, Line 19 (between “paid Riot” and “(GOOG-PLAY-000928690”).	Google (Cramer Declaration ¶229)	
Exhibit C2	Exhibit 13, Page 22, Line 7 (between “up to” and “in cash incentives”).	Google (Cramer Declaration ¶230)	
Exhibit C3	Exhibit 17, Entire document	AT&T (Ezell Declaration ¶25)	
Exhibit C3	Exhibit 17, Page -390 (Name in row following “Attention:”, text in rows following “Address, City, State, Postal Code, Country:”; text in rows following “Phone:”; text in rows following “Fax:”; text in row	Google (Cramer Declaration ¶231)	

	following “Email.”; first paragraph between “made by and between” and “for itself and”).		
Exhibit C3	Exhibit 17, Page -391, Paragraph 2.1 (between “application store (e.g.” and “on any Device”).	Google (Cramer Declaration ¶232)	
Exhibit C3	Exhibit 17, Page -393, Paragraph 2.10.1 (between “deemed by” and “to be materially”; between “its notice provisions.” and “may terminate”).	Google (Cramer Declaration ¶233)	
Exhibit C3	Exhibit 17, Page -398, Paragraph 9.2 (between “A SERVICE, NOT GOODS.” and “DOES NOT GUARANTEE”).	Google (Cramer Declaration ¶234)	
Exhibit C3	Exhibit 17, Page -398, Paragraph 10.1 (between “NET GTV TO” and “FROM ANDROID MARKET”).	Google (Cramer Declaration ¶235)	
Exhibit C3	Exhibit 17, Page -399, Paragraph 11.2 (between “Market by Company” and “explicit direction”).	Google (Cramer Declaration ¶236)	
Exhibit C3	Exhibit 17, Page -400 (signature block between “Company” and “Date”).	Google (Cramer Declaration ¶237)	
<b>Plaintiffs’ Opposition to Google’s Motion for Partial Summary Judgment and all relevant exhibits [Dkt. No. 509]</b>			
Exhibit D1	Page 7, Line 15	Activision Blizzard (Robinson Declaration)	
Exhibit D1	Page 7, Lines 16–17 after “Activision” to “(Ex. 13)”, and lines 17–18 after “and” to “(Ex. 12)”	Activision Blizzard (Robinson Declaration)	
Exhibit D1	Page 7, Line 28, Page 8, Lines 1–8 (between “Google offered Supercell “up to” and “in	Google (Cramer Declaration ¶238)	

	exchange for a written commitment not to launch content”).		
Exhibit D1	Page 22, Lines 14-19 (between “Match, Spotify” and “Epic Games”; between “Epic Games” and “and even”; between “and even” and “(Ex. 44”).	Google (Cramer Declaration ¶239)	
Exhibit D2	Exhibit 1, Page 250, Line 7-8 (between “permission to send” and “in”; between “would grow to” and “in 2023;”).	Google (Cramer Declaration ¶240)	
Exhibit D3	Exhibit 2, Page -892.R (contents of box between “CN OEMs share of GMS activations growing; but changes are lurking...” and “Google” in footer).	Google (Cramer Declaration ¶241)	
Exhibit D3	Exhibit 2, Page -893.R (entire box above “Google” in footer).	Google (Cramer Declaration ¶242)	
Exhibit D3	Exhibit 2, Page -894.R (entire box above “Google” in footer).	Google (Cramer Declaration ¶243)	
Exhibit D3	Exhibit 2, Page -895.R (contents of box between “Android share in select markets - OEM Portfolio balance a concern” and “Google” in footer).	Google (Cramer Declaration ¶244)	
Exhibit D3	Exhibit 2, Page -899.R (entire box above “Google” in footer).	Google (Cramer Declaration ¶245)	
Exhibit D4	Exhibit 4, Page -840 (between “tl;dr:” and end of the sentence; entire paragraph between “that happened in early April last year.” and “At this time, we didn't ask for contractual commitments”; middle of page between “At this time, we didn't ask for contractual commitments” and “the focus	Google (Cramer Declaration ¶246)	

	was getting Riot”; between “with Riot by asking them to commit to the” and end of paragraph.)		
Exhibit D4	Exhibit 4, Page -842 (top of page between “that we were able to get aligned on are:” and “Andreas has been doing a great job”; middle of the page sentence between “they are committing for their new games.” and “We have additional regional details”).	Google (Cramer Declaration ¶247)	
Exhibit D4	Exhibit 4, Page -842 (bottom of page between “As part of this initial proposal, it will include” and end of sentence; between “Riot asked that we roll-up the” and “with our proposal so that the Riot team”).	Google (Cramer Declaration ¶248)	
Exhibit D5	Exhibit 5, Page 269, Line 3-4, (between “Number 3 is” and “sounds fuzzy”); Line 5 (between “approximate” and “the right market price for”), and Line 22 (between “both agree that the” and “is”).	Google (Cramer Declaration ¶249)	
Exhibit D5	Exhibit 5, Page 270, Line 5 (between “terms of the” and “of”) and Line 8 (between beginning of line and “is that correct?”).	Google (Cramer Declaration ¶250)	
Exhibit D5	Exhibit 5, Page 270, Line 11 (between “communicating to” and “some of”).	Google (Cramer Declaration ¶251)	
Exhibit D5	Page 270, Lines 10–16	Activision Blizzard (Robinson Declaration)	
Exhibit D5	Exhibit 5, Page 270, Line 16 (from “around the” to end of sentence) and Line 18 (between	Google (Cramer Declaration ¶252)	



		“vis-a-vis the” and “aspect of”).		
Exhibit D5	Exhibit 5, Page 271, Line 16 (between “update on the” and end of sentence.), and Line 21 (between “spoken to” and “and had, quote”).	Google (Cramer Declaration ¶253)		
Exhibit D5	Page 271, Line 14 through and including p. 272 line 9	Activision Blizzard (Robinson Declaration)		
Exhibit D5	Exhibit 5, Page 272, Line 4 (between “meaning” and “not liking Google’s”); Line 21 (between “And” and “rejected”).	Google (Cramer Declaration ¶254)		
Exhibit D5	Exhibit 5, Page 272, Lines 5-6 (entire lines), Line 13 (from “of” to end of sentence), Line 17 (between “into” and “we all”), and Lines 18-19 (between “wanted them to make a” and end of sentence).	Google (Cramer Declaration ¶255)		
Exhibit D5	Page 272, Line 21 through and including p. 273 line 25	Activision Blizzard (Robinson Declaration)		
Exhibit D5	Exhibit 5, Page 273, Line 3 (between “is a reference to” and end of line), and Line 24 (between “basically” and “was saying”).	Google (Cramer Declaration ¶256)		
Exhibit D5	Exhibit 5, Page 273, Lines 4-6 (from “there be a” to end of Line 6), Line 10 (from “removing” to end of sentence”), Lines 17-20 (between “distribution platform” and “[As read]”), and Line 25 (between “backed out of” and “they may”) .	Google (Cramer Declaration ¶257)		
Exhibit D5	Page 283, Line 2 through and including p. 284 line 9	Activision Blizzard (Robinson		

		Declaration)	
Exhibit D5	Exhibit 5, Page 283, Lines 19-21 (in entirety) and Lines 24-25 (from “negotiations, had” to end of sentence)	Google (Cramer Declaration ¶258)	
Exhibit D5	Exhibit 5, Page 284, Lines 3-5 (in entirety), Lines 10-12 (in entirety), Line 14 (between “And the” and “is the”), and Line 19 (between “a” and “but”).	Google (Cramer Declaration ¶259)	
Exhibit D6	Exhibit 6, Page -690.R (between”GVP 1.0 Impact Assessment” and “GVP 1.0 x-Google Financial Assessment”).	Google (Cramer Declaration ¶260)	
Exhibit D6	Exhibit 6, Page -694.R (text in row under “GVP 1.0 Target Developers:” and to the left of “Drive disproportionate value to Google”; text in row to the left of “Beacons of the ecosystem”; text in row to the left of “Expressed discontent over lack of unified support from Google”; text in row to the left of “May forgo Play (& Android)” and above “Full Partner List”).	Google (Cramer Declaration ¶261)	
Exhibit D6	Exhibit 6, Page -695.R (between “Non Goals: Play exclusivity, drive additional xPA integrations (eg:” and “xPA spend commitments”).	Google (Cramer Declaration ¶262)	
Exhibit D6	Exhibit 6, Page -697.R (Under leftmost column “1) Prioritize Play”, entire first bullet, second bullet between “of titles” and “on Play”, entire third bullet and entire fourth bullet; under middle column “2) Boost X-PA Product Adoption”, both highlighted dollar terms in second bullet and highlighted dollar term in third	Google (Cramer Declaration ¶263)	

	bullet; and in rightmost column “3) Improve Sentiment”, between “to date” and “devs”).		
Exhibit D6	Exhibit 6, Page -698.R (between “GOAL 1: Prioritize Play Users” and “target) devs representing”; between “target) devs representing” and “of total Play spend signed GVP,” column below “2019 Play A&G Spend”; entire contents of column below “100% of titles shipped (184 titles)” and “Holding Out”; in box beneath “Holding Out”; from beginning of footer and “signing up to GVP obligations”).	Google (Cramer Declaration ¶264); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -698.R (text above the table, table heading, and logo)	Nintendo (Kiel Declaration ¶4)	
Exhibit D6	Exhibit 6, Page -699.R (line referencing Nintendo)	Nintendo (Kiel Declaration ¶4)	
Exhibit D6	Exhibit 6, Page -699.R (entire line referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -699.R, BC Success Metrics column (between “ARR acceleration” and “2024”); between “2024” and (by 2024”); between “Win-Rate acceleration” and end of row; between “N/A” and end of row; between “UAC yoy growth rate acceleration” and end of row; between “SVA/Best Practice adoption” and end of row; between “Mobile game watchtime, as % of total gaming watchtime” and “(by 2022”); between (by 2022)” and “(2020”); between “N/A” and	Google (Cramer Declaration ¶265)	

	end of row; between “upload uplift N/A” and end of row).		
Exhibit D6	Exhibit 6, Page -699.R, Other Metrics column (between “Spend Commits” and end of row; between “Share of Wallet” and end of row; between “ROI” and end of row)	Google (Cramer Declaration ¶266)	
Exhibit D6	Exhibit 6, Page -699.R, (between “Cloud Deals” and end of paragraph; between “TOTAL” and “Incremental”; between “Incremental: and “M”; between “BC 5-year total:” and “HUG BC 5-year total:” and “and HUG new projected”; between “5-year total:” and “Win-rate acceleration:”; between “BC conversion was” and “w/o HUG and”; between “w/o HUG and” and “with HUG” and “=”; between “=” and end of sentence; between 12 out of 18 developers so” and “conversion.”; between “Estimating conservatively at” and “through program duration.”; between “through program duration.” and end of line; between “9 titles include” and “migrating from”; from “migrating from” and “-Expected to 13x spending”).	Google (Cramer Declaration ¶267)	
Exhibit D6	Exhibit 6, Page -700.R, (between beginning of first line and “- new customer”; between beginning of second line “and new title”; between beginning of third line and “-Expected to 40x spending)	Google (Cramer Declaration ¶268); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -701.R (entire table and footers).	Google (Cramer Declaration ¶269); Aniplex (Toyama	

		Declaration).	
Exhibit D6	Exhibit 6, Page -701.R (text above the table, table heading, and logo, slide title and logo)	Nintendo (Kiel Declaration ¶4); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -702.R (left column of table; between “Outside of” and “singularly focused”).	Google (Cramer Declaration ¶270); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -702.R (slide heading and table and column titles and row referencing Nintendo)	Nintendo (Kiel Declaration ¶8)	
Exhibit D6	Exhibit 6, Page -703.R (left column of table; between “Strategic partnership with” and end of line).	Google (Cramer Declaration ¶271); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -703.R (table column titles and row referencing Nintendo)	Nintendo (Kiel Declaration ¶4 ¶6)	
Exhibit D6	Exhibit 6, Page -705 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	

Exhibit D6	Exhibit 6, Page -705 (between “positive contribution of” and end of line”; columns under “2019,” “2020,” “2021,” “2022,” “2019-2022”; between start of line and “incr. rev (from large”); between “endweighted, with” and “of ABK”; between “of ABK” and “package hitting 2020”; between “GVP at” and “reinvestment continues”).	Google (Cramer Declaration ¶272)	
Exhibit D6	Exhibit 6, Page -706 (entire chart).	Google (Cramer Declaration ¶273)	
Exhibit D6	Exhibit 6, Page -707 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration).	
Exhibit D6	Exhibit 6, Page -707 (between “even without” and “Play risk”; entire chart; “even without” and “Play risk mitigation”; between “investments of” and “over 2019-2024”; between “to recoup” and “of invested value”; between “invested value” and “expected to sign incremental”; between “commits” and “and turn ROI”; between “+ve” and “esports investment”; between “investment with” and “adversely impacted”; between “adversely impacted” and “and program”; between “3 years for” and “UAC margin”; between “2019, and” and “thereafter”; between “to Cloud of” and “toward Cloud credits”; between “worth” and “by 2022”).	Google (Cramer Declaration ¶274); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -707.R (table headers and row referencing Nintendo)	Nintendo (Kiel Declaration ¶6)	
Exhibit D6	Exhibit 6, Page -710 (between “selection – An” and “for game developers”; all text in the slide	Google (Cramer Declaration ¶275)	

	below “New to Play PC/Console Devs” and “On Play “enterprise” Developers”; all text below slide besides “Both” and “meet the criteria”).		
Exhibit D6	Exhibit 6, Page -710.R	Century Games (Jin Declaration ¶3)	
Exhibit D6	Exhibit 6, Page -711 (last column for rows “Build & Test”, “Launch”, “UA”, and “Community”).	Google (Cramer Declaration ¶276)	
Exhibit D6	Exhibit 6, Page -712 (all text in box beginning with “Google Gives”; all text in box beginning with “Google Gets (contractual”).	Google (Cramer Declaration ¶277)	
Exhibit D6	Exhibit 6, Page -713 (between “GVP 2021” and “Play Margin”; entire table; between beginning of sentence and “ to extend commercial”; between “1.0 devs @” and “of respective”; between beginning of sentence and “to 11 new developers”; between beginning of sentence and “GVP 2.0 developers”; between beginning of sentence and “GVP 2.0 developers”; between “1 Excludes” and “who already have”; between “already getting” and “of Play spend”).	Google (Cramer Declaration ¶278)	
Exhibit D6	Exhibit 6, Page -713.R	Century Games (Jin Declaration ¶3)	
Exhibit D6	Exhibit 6, Page -713.R (title and footnote)	Nintendo (Kiel Declaration ¶4)	
Exhibit D6	Exhibit 6, Page -715 (both figures; between “offered at” and “& met the following”; between “footprint;” and “incremental Google margin”; between “against investment of” and end of sentence; between “reduced rev share” and “Runway may help address”).	Google (Cramer Declaration ¶279)	

Exhibit D6	Exhibit 6, Page -716 (text below “Google Gives” and “Google Gets” and above “Eligibility criteria: expand”).	Google (Cramer Declaration ¶280)	
Exhibit D6	Exhibit 6, Page -718 (all text in columns under “Runway”; “GVP”; “GVP (in conjunction w/Runway”).	Google (Cramer Declaration ¶281)	
Exhibit D6	Exhibit 6, Page -719 (all text in columns under “Option 1”, “Option 2”, and “Option 3”).	Google (Cramer Declaration ¶282)	
Exhibit D6	Exhibit 6, Page -721 (all text in slide below “address gaps & focus on joint growth”).	Google (Cramer Declaration ¶283)	
Exhibit D6	Exhibit 6, Page -722 (between “Lifetime Revenue of IP” and end of line under “GVP 1.0”; between “Lifetime Revenue of IP” and end of line under “GVP 1.0”; between “Lifetime Spend” and “OR”; between “Lifetime spend =” and “growing”; between “growing” and “OR”; between “Lifetime Spend” and “and growing”; between “and growing” and “YoY”; between “Lifetime Spend =” and “growing”; between “growing” and end of the line; entire rows beginning in “# of developers”, “% of Play Spend covered”, “Google Gets”, and “Term”; between “Ad credits:” and “of eligible UAC spend”; between GCP credits” and “of Play Consumer Spend”; between “GCP credits” and “of Play Spend”; between “% investment” and “of respective Play”; between “Play consumer spend” and “of respective Play Consumer Spend”).	Google (Cramer Declaration ¶284)	
Exhibit D6	Exhibit 6, Page -725 (between “cost by” and “mainly due to”; all figures in the table).	Google (Cramer Declaration ¶285)	
Exhibit D6	Exhibit 6, Page -726 (text to the right of “Ads Credits”; text to the	Google (Cramer Declaration	



	right of “GCP Credits”; text to the right of “Comarketing”).	¶286)	
Exhibit D6	Exhibit 6, Page -728 (between “bundle with” and “offers the best”; four developer icons below “3 month trial”; icon to the right of “Android Premium Phone or Plan Purchase”; between start of bullet point and “marketing investment in ATL”; between start of bullet point and “marketing investment match”).	Google (Cramer Declaration ¶287)	
Exhibit D6	Exhibit 6, Page -729 (icon to the right of “Android Premium Phone or Plan Purchase”; three developer icons below “Youtube Premium Free 3 month Trial”; all text in box called “Interactive sharers”; three icons to the left of “Free! 3P content offers (TBD)”; between “the world of” and “interact with”).	Google (Cramer Declaration ¶288)	
Exhibit D6	Exhibit 6, Page -729.R (text referencing the relationship between Google and Nintendo)	Nintendo (Kiel Declaration ¶4)	
Exhibit D6	Exhibit 6, Page -730.R (entire line referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -730 (between start of sentence and “year Spend commits”; second row in column named “Projected”; all information in column named “Actual”; between start of bullet point and “receiving GCP credits”; between “deals with” and “of the top”; between “of the top” and “developers collectively”; between “to spend” and “on IT in 2021”; all text below slide).	Google (Cramer Declaration ¶289)	
Exhibit D6	Exhibit 6, Page -731.R (entire line referencing ABK)	Activision Blizzard (Robinson Declaration)	

Exhibit D6	Exhibit 6, Page -731 (all text following “incremental attributable to Hug”).	Google (Cramer Declaration ¶290)	
Exhibit D6	Exhibit 6, Page -731.R (text referencing the relationship between Google and Nintendo, line referencing Nintendo)	Nintendo (Kiel Declaration ¶4 ¶6)	
Exhibit D6	Exhibit 6, Page -732 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -732 (entire chart; between start of bullet point and “developers expected to deliver”; between “to deliver” and “in IT spend in 2021”; between “a deal with” and “developers”; between “GCP (up to” and “due to”; between “reside on GCP” and “uplift from standard”; between “discounts,” and “uplift from HUG”).	Google (Cramer Declaration ¶291)	
Exhibit D6	Exhibit 6, Page -732.R (table headers and row of the table referencing Nintendo)	Nintendo (Kiel Declaration ¶4 ¶6 ¶8)	
Exhibit D6	Exhibit 6, Page -733 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration).	
Exhibit D6	Exhibit 6, Page -733 (first row in column beginning with “Projected”; all information in column beginning with “Actual”).	Google (Cramer Declaration ¶292)	
Exhibit D6	Exhibit 6, Page -734 (all information in column beginning with “Actual”; between start of bullet point and “receiving UAC credits as”; between “Hug with” and “in credits received”; between “revenue uplift of” and “(which exceeds BC”; between “negative ROI of” and “through	Google (Cramer Declaration ¶293)	

	exceeded BC”; between “was equivalent to” and “of released credits”; between “of released credits” and “actual uplift range”; between “range of” and “based on analysis”).		
Exhibit D6	Exhibit 6, Page -735.R (entire second paragraph beginning with “Note:”)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -735 (between “post-Hug indicates” and “(mainly”); between “(mainly” and end of line; between “continue to see an” and “across most clients”; between “indicates aggregate” and “which exceeds BC”; entire table; between “incrementality study” and “is attributable to Hug”; between “with the remaining” and “due to other factors”; between “Note:” and “has been removed”; between “removed from all” and “metrics, as they”; between “(new” and “deal effective”; between “Apr-20)” and “Hug treatment period is 12”; between “whereas” and “treatment period is only 3”; between “Consolidated” and “accounts for”; between “accounts for” and “of credits earned”; between “earned, and” and “of total uplift”).	Google (Cramer Declaration ¶294)	
Exhibit D6	Exhibit 6, Page -736 (between “increased from” and “based on the refreshed”; entire tables; between “Jun-20 was” and “of total UAC spend”; between “Hug was” and “on QS-only).	Google (Cramer Declaration ¶295)	
Exhibit D6	Exhibit 6, Page -737.R (between “earned to date (” and end of line; entire second row of table; entire bottom row of table; entire footnote below table; entire second paragraph beginning with “Note:”)	Activision Blizzard (Robinson Declaration)	

Exhibit D6	Exhibit 6, Page -737 (between “deals live;” and “earned to date”; between “earned to date” and end of sentence”; entire table; between “New” and “deal went live”; between “4/1/20. All” and “revenue from”; between “revenue from” and “included in”; between “included in the” and “line, as they have”; between “Nov-19” and “is active 8 months”; between “Note:” and “has been removed”; between “removed from all” and “metrics, as they”; between “(new” and “deal effective”; between “Apr-20)” and “Hug treatment period is 12”; between “whereas” and “treatment period is only 3”).	Google (Cramer Declaration ¶296); Aniplex (Toyama Declaration)	
Exhibit D6	Exhibit 6, Page -738 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -738 (all text following “major game developers”).	Google (Cramer Declaration ¶297); Aniplex (Toyama Declaration)	
Exhibit D6	Exhibit 6, Page -738.R (row 20 referencing Nintendo, its market position, and its ranking)	Nintendo (Kiel Declaration ¶8)	
Exhibit D6	Exhibit 6, Page -739 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -739 (all icons below “Signed up to Hug – Contract Executed”).	Google (Cramer Declaration ¶298); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -739.R (text above the table, table title, and logo)	Nintendo (Kiel Declaration ¶4 ¶8).	
Exhibit D6	Exhibit 6, Page -740 (language	Activision	

	on the page referencing ABK)	Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -740 (between “Other devs (e.g.” and “who previously”; between “cautious developers like” and “Play’s PC”).	Google (Cramer Declaration ¶299)	
Exhibit D6	Exhibit 6, Page -740.R (language on the page referencing Nintendo)	Nintendo (Kiel Declaration ¶8)	
Exhibit D6	Exhibit 6, Page -741 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -741 (all text in boxes).	Google (Cramer Declaration ¶300)	
Exhibit D6	Exhibit 6, Page -743 (all text in rows beginning in “Google Gets” and “Google Gives”).	Google (Cramer Declaration ¶301)	
Exhibit D6	Exhibit 6, Page -744 (between “DevRel Consultants” and end of column; between “YT Influencers” and end of column; between “UAC credits” and end of column; between “YT channel growth” and end of column).	Google (Cramer Declaration ¶302)	
Exhibit D6	Exhibit 6, Page -745 (all text in rows beginning with “Eligibility criteria”, “Google Gives”, “Google Gets”, and “Play % reinvested”).	Google (Cramer Declaration ¶303)	
Exhibit D6	Exhibit 6, Page -746 (language on the page referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D6	Exhibit 6, Page -746 (between “even without” and “Play risk mitigation”; between “outsized” and “investments diluted”; entire chart; between “Program is ROI positive even without” and “Play risk mitigation”; between “investments of” and “(over	Google (Cramer Declaration ¶304)	

	2019”; between “to recoupe” and “of value”; between “reflected in ROI” and “expected to sign”; between “GCP commits” and “and turn”; between “and turn” and “esports investment”; between “investment with” and “adversely impacted”; between “adversely impacted” and “and program”; between “for most devs” and “of UAC margin” between “2019, and” and “thereafter”).		
Exhibit D6	Exhibit 6, Page -746.R (table headers and lines referencing Nintendo and Aniplex)	Nintendo (Kiel Declaration ¶6); Aniplex (Toyama Declaration).	
Exhibit D6	Exhibit 6, Page -753 (columns below “Deal structure option 1”, “Deal structure option 2” and “Deal structure option 3”).	Google (Cramer Declaration ¶305)	
Exhibit D6	Exhibit 6, Page -754 (columns below “Deal structure option 1”, “Deal structure option 2” and “Deal structure option 3”).	Google (Cramer Declaration ¶306)	
Exhibit D6	Exhibit 6, Page -757 (between “was calculated as” and “but has been”; between “revised to” and “(breakeven”; between “defined at” and “in credits”).	Google (Cramer Declaration ¶307)	
Exhibit D7	Exhibit 8, Page 226 (top of page between “further states that” and end of paragraph).	Google (Cramer Declaration ¶308)	
Exhibit D7	Exhibit 8, Page 226 paragraph 441 (between “about developers as follows.” and end of paragraph).	Google (Cramer Declaration ¶309)	
Exhibit D7	Exhibit 8, Page 226 paragraph 442 (between ““target developers”.” and end of paragraph).	Google (Cramer Declaration ¶310)	

Exhibit D7	Exhibit 8, Page 226 paragraph 443 (between “The” and “Project Hug agreements,”).	Google (Cramer Declaration ¶311)	
Exhibit D8	Exhibit 15 (language referencing ABK)	Activision Blizzard (Robinson Declaration)	
Exhibit D8	Exhibit 15, Page -650 (between “Some notes from my conversation with Armin” and “He reiterated the fact”; between “For example, can we put” and “conversation in the next week or two”; between “chance/time window.” and “I asked him if this was”; between “right deal/solution with us” and “- They are planning”; between “BEFORE the holidays” and “Shanna met with Armin”).	Google (Cramer Declaration ¶312)	
Exhibit D9	Exhibit 23, Page 207, Paragraph 375 (between “because only” and “of downloads”; between “in 2021, just” and “of U.S. consumer”).	Google (Cramer Declaration ¶313)	
Exhibit D9	Exhibit 23, Page 207, Note 719 (between “Google Play store” and “is equal to”; between “number of downloads” and “is estimated by”).	Google (Cramer Declaration ¶314)	
Exhibit D9	Exhibit 23, Page 212, Note 745 (between “were approximately” and “installs worldwide”; between “which approximately” and “were new downloads”; between “suggesting more than” and “updates”)	Google (Cramer Declaration ¶315)	
Exhibit D9	Exhibit 23, Page 217, Paragraph 392 (between “indicate that” and “of apps”; between “that only” and “of apps”; between “and that” and “of apps”; between	Google (Cramer Declaration ¶316)	

	“ignore that” and “of Android phones”; between “in June 2022” and “of Android devices”).		
Exhibit D9	Exhibit 23, Page 217, Note 761 (between “In June 2022” and “percent of”).	Google (Cramer Declaration ¶317)	
Exhibit D9	Exhibit 23, Page 218, Paragraph 393 (between “Google earned” and “of U.S. consumer”).	Google (Cramer Declaration ¶318)	
Exhibit D10	Exhibit 27, Page 276, Line 14 (between “risk by offering” and “to Match Group”).	Google (Cramer Declaration ¶319)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346084 (logos below “Developer confusion” and above “Inquiring”; Notes, between “Apps revenue is” and “of A&G revenue”; between “growing” and “y/y”).	Google (Cramer Declaration ¶320)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346085 (between start of sentence and “active App & Game Devs”; between start of sentence and “active App Devs”; between start of sentence and “active App Devs”; between “we believe only” and “of active developers”; between “devs such as” and end of sentence).	Google (Cramer Declaration ¶321)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346087 (rows one, four and five below “Partner”, “Current reaction”, and “Details”).	Google (Cramer Declaration ¶322)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346088 (entire chart).	Google (Cramer Declaration ¶323)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346089 (entire slide).	Google (Cramer Declaration ¶324)	
Exhibit D11	Exhibit 29, GOOG-PLAY-	Google (Cramer	



	007346090 (column under “Modular Google Play Billing”, the first and third rows; between start of sentence and “Google Play is experimenting”).	Declaration ¶325)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346091 (row two, three, five, six, seven and eight under “Spotify Gets”; row five, six, seven and eight under “Google Gets”).	Google (Cramer Declaration ¶326)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346092 (between “KR Concerns” and “deploy local and partner programs”).	Google (Cramer Declaration ¶327)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346093 (between “annual spend” and “and”; between “and” and end of sentence; between “& mitigation plans” and “Redacted – Privilege”; between “Re-engage with” and “on custom solutions”).	Google (Cramer Declaration ¶328)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346095 (between “annual spend” and “and”; between “and” and end of sentence; between “some neutral feedback” and “Redacted – Privilege”).	Google (Cramer Declaration ¶329)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346101 (between “users with” and “in 2020”; between “growing” and “Y/Y”; entire row under “2020 Forecast”; between “Inclusive” and “ads revenue”).	Google (Cramer Declaration ¶330)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346102 (between “driven by” and end of sentence; entire chart; between “only available for” and “apps and games”; between	Google (Cramer Declaration ¶331)	

		“installs and usage, such as” and end of sentence).		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346103 (between start of sentence and “are in the Apps w. GPB”; between start of sentence and “(Spotify is off GPB”).	Google (Cramer Declaration ¶332)		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346104 (between start of sentence and “of Apps/Games”; between “represent” and “of Play revenue”; entire infographic under “selling physical goods”; between “installs and usage, such as” and “are in the Apps w. GPB”; between start of sentence and “(Spotify is off GPB”).	Google (Cramer Declaration ¶333)		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346106 (all numbers in row “2020F Play Consumer Spend”; between “IOS estimate” and “in 2019”).	Google (Cramer Declaration ¶334)		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346107 (rows one, two and three under “Play Revenue Share”; all numbers under column “Qualifying Dev Spend, as % of total Play Spend”).	Google (Cramer Declaration ¶335)		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346109 (between “for long periods e.g.” and end of sentence; between “few FOPs e.g.” and “in Korea”).	Google (Cramer Declaration ¶336)		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346112 (between “estimated by calculating” and “Estimated engagement”; between “liveops campaigns” and “Estimated payments”; between “value using” and “Buyer creation”; between “Buyer creation” and	Google (Cramer Declaration ¶337)		

	“Spend stretch”; between “Spend stretch” and “Delivery value”; between “Delivery value” and “Growth consulting”; Notes, between “owned discovery” and “is so much bigger”; between “Growth consulting” and “consultations”; between “last 1.5 yrs” and “year”).		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346113 (between “alternatives is Plum” and end of sentence”).	Google (Cramer Declaration ¶338)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346114 (entire chart).	Google (Cramer Declaration ¶339)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346115 (row one and three under “Perceived Play value”; Notes, between “Where gaps exist” and “is among”; entire chart).	Google (Cramer Declaration ¶340)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346117 (entire chart sans row one, column one “Status Quo”).	Google (Cramer Declaration ¶341)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346118 (entire chart).	Google (Cramer Declaration ¶342)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346120 (between start of sentence and “of perceived value gap”; all numbers under column “Aggregate (Positive – Negative)”; all numbers under column “Positive Gap”; all numbers under column “Negative Gap”; all numbers under column “% of Total Negative Gap”; between start of sentence and “of total gap is concentrated”; between start of sentence and “spread across	Google (Cramer Declaration ¶343)	

	GPB”).		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346122 (between “11.30 am today” and “Match”; between “11.30 am today” and end of sentence).	Google (Cramer Declaration ¶344)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346124 (between “Match and” and “have a heads up”; between “Heads up to” and end of sentence; between “11.30 am today” and “Match”; between “11.30 am today” and end of sentence).	Google (Cramer Declaration ¶345)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346127 (between “Today” and end of sentence; between “Ads Revenue” and “\$xxB”; between “is not limitless” and “Also, land in range”)	Google (Cramer Declaration ¶346)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346128 (all information under column “Most Lenient”; row one, three and four under column “Status Quo”; row one, three and four under column “More Aggressive”; row one, three and four under column “Middle Ground”).	Google (Cramer Declaration ¶347)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346129 (all numbers under columns “Aging Superstar: 5+ years, SBs later”, “New Hit Game: Launched this month”; and “Subs App: Known Brand +Targeted Use”).	Google (Cramer Declaration ¶348)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346130 (between “Public LRAP” and “Option #1”; between “apply w/ Play for inclusion” and “Play normally	Google (Cramer Declaration ¶349)	

	re-invest”; between “give back to users” and end of sentence.		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346131 (between “mismatch/agitation” and “What will the revenue”; between “Value Alignment + Equitability” and end of sentence).	Google (Cramer Declaration ¶350)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346133 (entire chart).	Google (Cramer Declaration ¶351)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346134 (entire chart).	Google (Cramer Declaration ¶352)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346135 (between “LTV-based” and “CPI-based”; between “CPI-based” and “FOP”; between “FOP” and “Delivery”; between “Delivery” and end of sentence).	Google (Cramer Declaration ¶353)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346136 (entire chart).	Google (Cramer Declaration ¶354)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346137 (between start of sentence and “of Apps represented”; entire chart; between “only available for” and “apps and games”; between “installs and usage, such as” and end of sentence).	Google (Cramer Declaration ¶355)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346138 (between start of sentence and “are in the Apps w. GPB”; between start of sentence and “(Spotify is off GPB”).	Google (Cramer Declaration ¶356)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346139 (entire chart).	Google (Cramer Declaration ¶357)	

Exhibit D11	Exhibit 29, GOOG-PLAY-007346145 (between “meeting with” and “tomorrow”).	Google (Cramer Declaration ¶358)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346149 (all information under column “On track for positive/ neutral launch?”).	Google (Cramer Declaration ¶359)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346149 (whole slide)	AT&T (Ezell Declaration ¶16)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346150 (between “negative feedback from” and “Redacted - Privilege”).	Google (Cramer Declaration ¶360)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346151 (between “Y” and “Redacted - Privilege”; between “Resolve feedback from” and “Deploy programs”).	Google (Cramer Declaration ¶361)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346152 (between “News Corp Papers” and “and Stan”).	Google (Cramer Declaration ¶362)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346153 (between “FOP Coverage Proposal” and “Exceptions granted”).	Google (Cramer Declaration ¶363)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346154 (column three in chart; column four in chart).	Google (Cramer Declaration ¶364)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346155 (between “program with” and “from Government”; between “from Government” and “marketing investment”; between “receiving direct funds” and “USD”; entire chart).	Google (Cramer Declaration ¶365)	
Exhibit D11	Exhibit 29, GOOG-PLAY-007346156 (between “combined & expanded for” and “in hardware & software”; between	Google (Cramer Declaration ¶366)	

		“Content costs” and end of sentence; entire chart).		
Exhibit D11	Exhibit 29, GOOG-PLAY-007346157 (between “steps for engaging” and “External-facing”; all rows in “External-facing”; all rows in “Internal”).	Google (Cramer Declaration ¶367)		
Exhibit D11	Exhibit 29, Page 12: All text below “Spotify” column other than the headings “Product principles:” and “Economic principles:”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D11	Exhibit 29, Page 14: All text below “Spotify Gets” column other than the headings “Product” and “Economic”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D11	Exhibit 29, Page 26: All text after “Spotify:”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D11	Exhibit 29, Page 27: All text after “Spotify:” up to the period at the end of that sentence.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D11	Exhibit 29, Page 61: All text after “Spotify:”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D11	Exhibit 29, Page 77: The entire portion of the bar chart above the text “Proposal to Spotify”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)		
Exhibit D12	Exhibit 36, Page 87, Paragraph 177 (between “contracts with” and “the two largest”; between “agreement with” and “wherein”;	Google (Cramer Declaration ¶368)		

	between “to provide” and “with 25 percent”; between “continued to pay” and “a 25 percent”; between “Google paid” and “leaving only”).		
Exhibit D12	Page 87, paragraph 177, the sentence beginning with “Commencing” and ending in “examples.”	AT&T (Ezell Declaration ¶17).	
Exhibit D12	Exhibit 36, Page 87, Paragraph 177 (between “From” and “Google”)	AT&T (Ezell Declaration ¶18).	
Exhibit D12	Exhibit 36, Page 87, Paragraph 177 (footnote 405)	AT&T (Ezell Declaration ¶19).	
Exhibit D12	Exhibit 36, Page 88, Paragraph 179 (between “were approximately” and “percent”; between “would have” and “its”; between “its” and “percent revenue”).	Google (Cramer Declaration ¶369)	
Exhibit D12	Exhibit 36, Page 89, Footnote 412 (between “calculated at” and “of consumer expenditures”).	Google (Cramer Declaration ¶370)	
Exhibit D12	Exhibit 36, Page 91, Paragraph 185 (between “In 2013” and footnote 436)	AT&T (Ezell Declaration ¶20)	
Exhibit D12	Exhibit 36, Page 91, Footnote 433 (first word)	AT&T (Ezell Declaration ¶21)	
Exhibit D12	Exhibit 36, Page 91, Footnote 434 (first word)	AT&T (Ezell Declaration ¶22)	
Exhibit D12	Exhibit 36, Page 91, Paragraph 185 (footnote 435)	AT&T (Ezell Declaration ¶24).	
Exhibit D12	Exhibit 36, Page 91, Footnote 436	AT&T (Ezell Declaration ¶21).	
Exhibit D12	Exhibit 36, Page 94, Note 451 (between “GOOG-PLAY-002604372” and end of	Google (Cramer Declaration ¶371)	



	sentence).		
Exhibit D12	Exhibit 36, Page 95, Note 457 (between “MADA require” and “to appear”).	Google (Cramer Declaration ¶372)	
Exhibit D12	Exhibit 26, Page 96, Paragraph 197 (between “importance to Samsung” and “And in questioning”; between “Google employee wrote” and end of sentence).	Google (Cramer Declaration ¶373)	
Exhibit D12	Exhibit 36, Page 100, Paragraph 208 (between “Stylized as” and “these agreements”; between “these agreements” and “on the absence”).	Google (Cramer Declaration ¶374)	
Exhibit D12	Exhibit 36, Page 100, Paragraph 209 (between “OEMs on a” and “if the OEM”; between “nearly” and “in 2020”; between “and up to” and “in 2023”; between “stated goal was” and end of sentence).	Google (Cramer Declaration ¶375)	
Exhibit D12	Exhibit 36, Page 100-101, Paragraph 210 (between “with at least” and “OEMs to date”; between “projections for” and “OEMs”; between “anticipated” and “Premier Tier devices”; between “2021” and “devices sold were”).	Google (Cramer Declaration ¶376)	
Exhibit D12	Exhibit 36, Page 100, Note 497 (between “GOOG-PLAY-000620210” and “GOOG-PLAY-000620638”; between “GOOG-PLAY-000620638” and “GOOG-PLAY-005706338”; between “GOOG-PLAY-005706338” and “GOOG-PLAY-008111867”; between “GOOG-PLAY-008111867” and “GOOG-PLAY-001745614”;	Google (Cramer Declaration ¶377)	

	<p>between “GOOG-PLAY-001745614” and “GOOG-PLAY-000416708”; between “GOOG-PLAY-000416708” and “GOOG-PLAY-000620282”; between “GOOG-PLAY-000620282” and “GOOG-PLAY-000620442”; between “GOOG-PLAY-000620442” and “GOOG-PLAY-000620131”; between “GOOG-PLAY-000620131” and “GOOG-PLAY-005706436”; between “GOOG-PLAY-005706436” and “GOOG-PLAY-005706676”; between “GOOG-PLAY-005706676” and “GOOG-PLAY-007038477”; between “GOOG-PLAY-007038477” and “GOOG-PLAY-007038511”; between “GOOG-PLAY-007038511” and “GOOG-PLAY-000620478”; between “GOOG-PLAY-000620478” and “GOOG-PLAY-005706728”; between “GOOG-PLAY-005706728” and “GOOG-PLAY-000416651”; between “GOOG-PLAY-000416651” and end of sentence).</p>		
Exhibit D12	Exhibit 36, Page 101, Note 500 (between “Id. at -173.R.” and “premier tier for”; between “premier tier for” and end of sentence).	Google (Cramer Declaration ¶378)	
Exhibit D12	Exhibit 36, Page 102, Note 511 (between “(Co-marketing fund agreement)” and end of footnote).	Google (Cramer Declaration ¶379)	
Exhibit D12	Exhibit 36, Page 103, Paragraph 217 (between “as the” and “requirement”; between “required developers to” and “Google’s documents”).	Google (Cramer Declaration ¶380)	

Exhibit D12	Exhibit 36, Page 103, Note 515 (between “would offer Samsung” and “Id. at -809.”; between “In return” and “only App stores”; between “home screen” and “Id. at -810—811.”).	Google (Cramer Declaration ¶381)	
Exhibit D12	Exhibit 36, Page 103, Note 519 (between “impact of” and “requirement”).	Google (Cramer Declaration ¶382)	
Exhibit D12	Exhibit 36, Page 104, Paragraph 218 (between “also imposed” and “provisions”; between “developers” and “when distributing”; between “GVP deal with” and “Such provisions”).	Google (Cramer Declaration ¶383)	
Exhibit D12	Exhibit 36, Page 105, Note 537 (between “metric at just” and “percent”; between “metric at just” and “percent”).	Google (Cramer Declaration ¶384)	
Exhibit D12	Exhibit 36, Page 106, Paragraph 223 (between “major game release” and “confirmed”; between “estimated the” and “(across all Apps)”; between “or between” and “of the amount”).	Google (Cramer Declaration ¶385)	
Exhibit D12	Exhibit 36, Page 106-107, Paragraph 225 (between “Within one year” and “game developers”; between “holdouts” and “a popular gaming developer”; between “if” and “were to migrate”; between “impact would be” and “in spend”; between “of” and “defection from”; between “offer to” and “that involved”; between “had offered” and “reinvestment” between “thereafter” and “signed a”).	Google (Cramer Declaration ¶386)	
Exhibit D12	Exhibit 36, Page 106, Note 541	Google (Cramer	

	(between “Play reinvests” and “See also”; between “Play takes” and “a developer”; between “reinvest those dollars towards” and end of sentence).	Declaration ¶387)	
Exhibit D12	Exhibit 36, Page 106, Note 544 (between “Id.” and “is therefore considering”).	Google (Cramer Declaration ¶388)	
Exhibit D12	Exhibit 36, Page 107, Paragraph 226 (between “resulted in” and “(2019-2022)”; between “driving an” and “dollars in cross-platform”).	Google (Cramer Declaration ¶389)	
Exhibit D12	Exhibit 36, Page 107, Note 546 (between “As” and “has influence”; between “adds up to” and “of Play revenue”; between “of Play revenue” and “would have”; between “margin risk of” and “for Play”; between “risk of” and “defection”; between “percentage of” and “and”; between “and” and “and to”; between “and to” and “a percentage”; between “spend into” and end of sentence).	Google (Cramer Declaration ¶390)	
Exhibit D12	Exhibit 36, Page 108, Paragraph 228 (between “estimate that the” and “game developers”; between “accounted for” and “of all”; between “revenue and” and “of all App revenue”; between “exclusively selling” and “of the most”).	Google (Cramer Declaration ¶391)	
Exhibit D12	Exhibit 36, Page 108, Note 557 (between “with” and “excluded, supra”).	Google (Cramer Declaration ¶392)	
Exhibit D12	Exhibit 36, Page 108, Note 560 (between “found that Hug” and “GOOG-PLAY-011269238 at - 260”; between “whether the” and	Google (Cramer Declaration ¶393)	

	“and other developer stores”).		
Exhibit D12	Exhibit 36, Page 109-110, Paragraph 233 (between “relationship with” and “indicate that”; between “meeting with” and “Google explored”; between “whitelist” and “in exchange for”; between “in exchange for” and “agreeing to”; between “suggest that if” and “appeared”; between “pull the” and “app from the catalog”; between “suggests that” and “and Google”; between “the effect that” and “would not launch”; between “in August 2020” and “executive”; between “executive” and “wrote”).	Google (Cramer Declaration ¶394)	
Exhibit D12	Exhibit 36, Page 109, Note 567 (between “same meeting” and “disclosed”; between “ads in the” and “GOOG-PLAY-004698100.R at -102.R”).	Google (Cramer Declaration ¶395)	
Exhibit D12	Exhibit 36, Page 109, Note 568 (between “to *update*” and “apps only”; between “exchange for” and “limiting”).	Google (Cramer Declaration ¶396)	
Exhibit D12	Exhibit 36, Page 110, Paragraph 234 (between “seek and obtain” and “commitment”; between “preload” and “with installation”; between “Google gave” and “waivers”; between “waivers on” and “continuing”).	Google (Cramer Declaration ¶397)	
Exhibit D12	Exhibit 36, Page 110-111, Paragraph 235 (between “Google offered” and “a technology”; between “known as” and “to improve”; between “apps shown in” and “Ms. Rasanen”; between “goal of the” and “product”; between “to make” and “want to	Google (Cramer Declaration ¶398)	

	cease”; between “via any” and “apps distributed”; between “while offering” and “an opportunity”; between “to test” and “When”; between “go back to” and “and propose a”; between “and propose a” and “trial agreement”; between “apps that use” and end of sentence).		
Exhibit D12	Exhibit 36, Page 110, Note 571 (between “understanding that” and “only had”; between “agreement with” and “regarding”).	Google (Cramer Declaration ¶399)	
Exhibit D12	Exhibit 36, Page 110, Note 573 (between “certain point did” and “and Google”; between “agreement regarding” and “install permissions”; between “A. Yes.” And “has agreed”; between “Purnima Kochikar to” and “stating”; between “assurance that” and “has deprioritized/stopped”; between “asking” and “to confirm that”; between “to confirm that” and “is not pursue”; between “outside of the” and “experiments”)	Google (Cramer Declaration ¶400)	
Exhibit D12	Exhibit 36, Page 111, Paragraph 236 (between “offered” and “at significant cost”; between “to structure” and “to motivate”; between “to motivate” and “to avoid”; between “compared” and “competing in”; between “give” and “something they want”; between “essentially handing” and “billions”).	Google (Cramer Declaration ¶401)	
Exhibit D12	Exhibit 36, Page 111-112, Paragraph 237 (between “negotiations and” and “trial periods”; between “attempt to	Google (Cramer Declaration ¶402)	

	slow” and “progress”; between “to provide” and “with”; between “with” and “on a trial basis”; between “to threaten” and “with termination”; between “trial period” and “used”; between “used” and “over the course”; between “testimony indicates that” and “currently”; between “uses” and “(now called”).		
Exhibit D12	Exhibit 36, Page 111, Note 576 (between “via any” and “apps distributed”; between “offering” and “an opportunity to test”; between “an opportunity to test” and end of sentence).	Google (Cramer Declaration ¶403)	
Exhibit D12	Exhibit 36, Page 111, Note 577 (between “go back to” and “and propose a”; between “and propose a” and “trial agreement”; between “apps that use” and “GOOG-PLAY-006367390”; between “explaining that” and “is [w]illing to”; between “continue testing” and “Rasanen Dep. 204:9-16”; between “apps that use” and “A. I believe”).	Google (Cramer Declaration ¶404)	
Exhibit D12	Exhibit 36, Page 111, Note 582 (between “Verbally signal to” and “that our intent”).	Google (Cramer Declaration ¶405)	
Exhibit D12	Exhibit 36, Page 111, Note 583 (between “Google and” and “entered”; between “permitting” and “to test”; between “to test” and “for”).	Google (Cramer Declaration ¶406)	
Exhibit D12	Exhibit 36, Page 112, Note 584 (between “know if” and “currently uses”; between “version of” and “A. I believe”; between “when did” and	Google (Cramer Declaration ¶407)	

	“rebrand”; between “new name to” and “A. I am”)		
Exhibit D12	Exhibit 36, Page 112, Note 588 (between “such as Chrome” and “Id.”; between “showing, e.g., Chrome with a” and end of sentence).	Google (Cramer Declaration ¶408)	
Exhibit D12	Exhibit 36, Page 129, Note 660 (between “indicate that” and “of consumer spend”).	Google (Cramer Declaration ¶409)	
Exhibit D12	Exhibit 36, Page 130, Paragraph 285 (between “alternative payment options” and end of sentence).	Google (Cramer Declaration ¶410)	
Exhibit D12	Exhibit 36, Page 130, Note 667 (between “GOOG-PLAY-007755618 at 5619” and “See also”).	Google (Cramer Declaration ¶411)	
Exhibit D12	Exhibit 36, Page 131, Note 671 (between “in excess of” and “of consumer expenditures”).	Google (Cramer Declaration ¶412)	
Exhibit D12	Exhibit 36, Page 137, Fourth bullet point (between “approximately” and “percent of consumer expenditures”).	Google (Cramer Declaration ¶413)	
Exhibit D12	Exhibit 36, Page 137, Note 683 (between “to be” and “percent of consumer expenditures”).	Google (Cramer Declaration ¶414)	
Exhibit D12	Exhibit 36, Page 140, Paragraph 305 (between “take rate of” and “percent”; between “observed value of” and “percent”; between “App Distribution Market is” and “down”; between “observed price of” and “net of”; between “consumers of” and “per paid App”; between “equal to” and “which demonstrates impact”; between “damages of” and “equal to”; between “equal to”	Google (Cramer Declaration ¶415)	



	and “paid App download”).		
Exhibit D12	Exhibit 36, Page 141, Table 6 (all numbers under column “Value”; Notes, between “over the period” and “I calculated”; between “I summed the” and “fields”).	Google (Cramer Declaration ¶416)	
Exhibit D12	Exhibit 36, Page 148, Paragraph 318 (between “platform model of” and “percent”; between “15 percent” and “offered”; between “such as” and “and others”).	Google (Cramer Declaration ¶417)	
Exhibit D12	Exhibit 36, Page 148, Note 729 (between “offered a” and “percent take rate”; between “developers such as” and “and others”; between “take rates of” and “see GOOG-PLAY-000442329 at -345—346”; between “and” and “see GOOG-PLAY-000338849.R at -888.R”).	Google (Cramer Declaration ¶418)	
Exhibit D12	Exhibit 36, Page 151, Paragraph 323 (between “processing at just” and “percent”; between “costs came to” and “percent”).	Google (Cramer Declaration ¶419)	
Exhibit D12	Exhibit 36, Page 151-152, Paragraph 324 (between “costs came to” and “percent”; between “estimated at” and “percent”; between “marginal costs” and “percent of revenues”).	Google (Cramer Declaration ¶420)	
Exhibit D12	Exhibit 36, Page 151, Note 739 (between “Google’s average” and “percent”; between “costs are” and “for 2,300”; between “and” and “for the vast majority”).	Google (Cramer Declaration ¶421)	
Exhibit D12	Exhibit 36, Page 151, Note 740 (between “blended rate of” and “percent”).	Google (Cramer Declaration ¶422)	

Exhibit D12	Exhibit 36, Page 154, Paragraph 330 (between “Aftermarket came to” and “between”; between “Google collected” and “in U.S. commissions”; between “actual world of” and “percent”; between “transaction volume was” and “implying”; between “transaction of” and “Google received”; between “Google received” and “per transaction”; between “estimated at” and “percent”; between “or” and “per transaction”; between “over cost of” and “percent”; between “elasticity is” and “By equation”; between “elasticity is” and “The values”).	Google (Cramer Declaration ¶423)	
Exhibit D12	Exhibit 36, Page 154, Note 763 (between “Equal to” and end of sentence).	Google (Cramer Declaration ¶424)	
Exhibit D12	Exhibit 36, Page 154, Note 764 (between “Equal to” and end of sentence).	Google (Cramer Declaration ¶425)	
Exhibit D12	Exhibit 36, Page 155, Table 8 (all numbers under column “Value”; text in column “Source/Notes” between “equal to” and “of consumer expenditure”).	Google (Cramer Declaration ¶426)	
Exhibit D12	Exhibit 36, Page 156-157, Paragraph 332 (between “calculated at” and “which implies”; between “margin of” and “percent”; between “fall to” and “per transaction”; between “savings of” and “per transaction”; between “come to” and “over the time”; between “fall to” and “percent”; between “would be” and “percent”).	Google (Cramer Declaration ¶427)	
Exhibit D12	Exhibit 36, Page 203, Table 17	Google (Cramer	

	(all numbers under column “% of all Units Sold”; all numbers under column “% of all Consumer Expenditures”).	Declaration ¶428)	
Exhibit D12	Exhibit 36, Page 203, Table 18 (all numbers under column “Android App Distribution Market (Table 6)”; all numbers under column “In-App Aftermarket (Table 8)”; all numbers under column “Aggregate”).	Google (Cramer Declaration ¶429)	
Exhibit D12	Exhibit 36, Page 203, Paragraph 415 (between “come to” and “and aggregate damages”; between “Aftermarket come to” and end of sentence).	Google (Cramer Declaration ¶430)	
Exhibit D13	Exhibit 41, Page 286, Line 9 (between “usage is” and “but the ability”).	Google (Cramer Declaration ¶431)	
Exhibit D13	Exhibit 41, Page 286, Line 10 (between “store is” and “is that consistent”).	Google (Cramer Declaration ¶432)	
Exhibit D14	Exhibit 44, GOOG-PLAY-000838161, Paragraph 2 (between “services like Match” and “began as”).	Google (Cramer Declaration ¶433)	
Exhibit D14	Exhibit 44, GOOG-PLAY-000838161, Paragraph 3 (between “services like Match” and “on to GPB”).	Google (Cramer Declaration ¶434)	
Exhibit D14	Page ending -163 (between “spend was” and “On Wed”)	Match Plaintiffs (Purves Declaration ¶196)	
Exhibit D14	Page ending -164 (between “delivered” and “in consumer”)	Match Plaintiffs (Purves Declaration ¶197)	
Exhibit D14	Exhibit 44, GOOG-PLAY-	Google (Cramer Declaration	

	000838164, Line 3 (between “2nd among all apps” and “is 1st”).	¶435)	
Exhibit D14	Page ending -166 (between “grossing app” and “OKCupid”; and between “an average” and “Match Group’s”)	Match Plaintiffs (Purves Declaration ¶ 198)	
Exhibit D15	Exhibit 45, Page 9: All text in first table column below “Concern / Spotify Complaint”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D15	Exhibit 45, Page 12: All text in the “Concerns” column and the images to the right of that column.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D15	Exhibit 45, Page 15: The logo and the line of text below “Rev Share, Pricing”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D15	Exhibit 45, Page 29: All text other than the ATTORNEY-CLIENT PRIVILEGED” header.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D15	Exhibit 45, Page -313 (between “is going to be” and “revenue business”; between “in 2019” and “consumer spend”; between “consumer spend” and “y/y/ growth”; between “y/y/ growth” and “comes from In App”; between “going to be a” and “business in 2019”; between “business in 2019” and “consumer spend”; entire graph)	Google (Cramer Declaration ¶436)	
Exhibit D15	Exhibit 45, Page -314 (between “except for the following cases:” and “Prominent digital goods sellers”; all logos in slide after	Google (Cramer Declaration ¶437)	

	“Tinder”).		
Exhibit D15	Exhibit 45, Page -315 (all logos on slide below “native default payment options” and “from developers”).	Google (Cramer Declaration ¶438)	
Exhibit D15	Exhibit 45, Page -316 (between “invested in commerce (e.g.” and “Partners whose investments in”; between “has outpaced ours” and “Mature game devs”; between “Mature game devs” and end of slide).	Google (Cramer Declaration ¶439)	
Exhibit D15	Exhibit 45, Page -319 (between “concerns from” and “differentiating from”; between “Concern /” and “Self preferencing.”; between “price on Android and iOS” and “Short term: Expanded Accelerator”).	Google (Cramer Declaration ¶440)	
Exhibit D15	Exhibit 45, Page -322 (between “temporary solution last year” and end of slide).	Google (Cramer Declaration ¶441)	
Exhibit D15	Exhibit 45, Page -323 (between “Android investment” and “3 proposed approaches”; all text below “3 proposed approaches.”; entire graph; all text in rows named “Est. Play Value” and “Play Rev” and “Consumer Spend”).	Google (Cramer Declaration ¶442)	
Exhibit D15	Page ending -323 (chart below “Tinder Value Breakdown”; graph below “2019 ROY Revenue Projection”)	Match Plaintiffs (Purves Declaration ¶199)	
Exhibit D15	Exhibit 45, Page -324 (all text below “but not limited to”).	Google (Cramer Declaration ¶443)	
Exhibit D15	Exhibit 45, Page -325 (logo between “Rev Share, Pricing “ and “It is unfair that”).	Google (Cramer Declaration ¶444)	

Exhibit D15	Exhibit 45, Page -329 (between “Principles” and “Risks: Games contagion”).	Google (Cramer Declaration ¶445)	
Exhibit D15	Exhibit 45, Page -330 (between “platform & GPB investment” and “All”; between “All” and “Consistent Policy Enforcement”; rows named “Vertical-specific product integrations” and “V2 Performance boost”; between “drive adoption (e.g.” and “b) GPB where we”; between “would range from” and “(depending on eligibility”; between “Likely to target” and “(based on priority”; between “Current LRAP program.” and “active partners in”; between “in program. Top” and “drive”; between “drive” and “of total LRAP consumer”; between “(Total =” and “of subs H1 spend”; between “not part of LRAP” and “but are integrated with”).	Google (Cramer Declaration ¶446)	
Exhibit D15	Exhibit 45, Page -335 (between “Alternatives” and end of slide).	Google (Cramer Declaration ¶447)	
Exhibit D15	Exhibit 45, Page -336 (entire graph).	Google (Cramer Declaration ¶448)	
Exhibit D15	Exhibit 45, Page -339 (all text below “Spotify’s specific concerns”).	Google (Cramer Declaration ¶449)	
Exhibit D15	Exhibit 45, Page -342 (between beginning of slide and “can help land the”; logo next to “Match”; between “Google can advance user experience” and “Investigate alternatives”; all text below “Investigate alternatives:”).	Google (Cramer Declaration ¶450)	

Exhibit D15	Exhibit 45, Page -347 (between “default payment options:” and “Korean dating partners”; between “Korean dating partners:” and “More are at risk”; between “Other apps:” and “Games:”; between “Games:” and “Status”).	Google (Cramer Declaration ¶451)	
Exhibit D16	Exhibit 49, Page -140 (between “hurt user experience and revenue.” and “And with this additional tax”; between “across our platforms and globally assuming” and “We would work with you”).	Google (Cramer Declaration ¶452)	
Exhibit D16	Exhibit 49, Page -141 (between “what I heard about status” and “On economics, as”).	Google (Cramer Declaration ¶453)	
Exhibit D17	Exhibit 52, Page 43, Paragraph 52 (between “indicates that around” and “of apps on active”).	Google (Cramer Declaration ¶454)	
Exhibit D17	Exhibit 52, Page 43, Paragraph 53 (between “accounts for only” and “of total app revenues”).	Google (Cramer Declaration ¶455)	
Exhibit D17	Exhibit 52, Page 43, Paragraph 52, Note 78 (between “% of sideloaded app” of” and “over the 2019 and 2020”).	Google (Cramer Declaration ¶456)	
Exhibit D17	Exhibit 52, Page 164, Paragraph 246, Note 542 (between “Offered to pay” and “effective at”; between “effective at” and “signaled they could”; between “could move to” and “and Google”).	Google (Cramer Declaration ¶457)	
Exhibit D17	Exhibit 52, Page 164, Para. 246, n.539: All text between the parentheses immediately following “Rasanen (formerly Google) Deposition, p. 307”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	

Exhibit D17	Exhibit 52, Page 164, Para. 246, n.542: All text between the parentheses immediately following “December 2020, GOOG-PLAY-006997722-751, at 723”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D17	Exhibit 52, Page 364, Paragraph 611 (between “Billing Services Markets of roughly” and “for the period August”; between “which I find to be approximately” and end of sentence).	Google (Cramer Declaration ¶458)	
Exhibit D18	Page 230, paragraph 474 (each bullet after “Attachment E-1”)	Match Plaintiffs (Purves Declaration ¶ 195)	
Exhibit D19	Exhibit 10 to the Zaken Declaration (ECF No. 509-13) at Page 144, Lines 1–19	Activision Blizzard (Robinson Declaration)	
Exhibit D20	Ex. 12 to the Zaken Declaration (ECF No. 509-13), document in its entirety	Activision Blizzard (Robinson Declaration)	
Exhibit D21	Ex. 13 to the Zaken Declaration (ECF No. 509-14), document in its entirety	Activision Blizzard (Robinson Declaration)	
Exhibit D22	Ex. 14 to the Zaken Declaration (ECF No. 509-15), document in its entirety	Activision Blizzard (Robinson Declaration)	
Exhibit D23	Exhibit 30, Page 174: Lines 2-10 and 19-25	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit D24	Ex. 48 to the Zaken Declaration	Activision Blizzard	



	(ECF No. 509-49), document in its entirety	(Robinson Declaration)	
<b>Google's Motion to Exclude Opinions Offered by Hal Singer and all relevant exhibits [Dkt. No. 487]</b>			
Exhibit E1	Page 4, Lines 24-27 (between "average basis -" and "for IAPs"; between "transactions)," and "for paid"; between "downloads, and" and "for subscriptions.")	Google (Cramer Declaration ¶459)	
Exhibit E2	Page 7, Paragraph 1, Note 4 (between "exceeds" and "percent").	Google (Cramer Declaration ¶460)	
Exhibit E2	Page 8, Paragraph 3 (between "damages of" and "resulting"; between "damages of up to" and end of sentence).	Google (Cramer Declaration ¶461)	
Exhibit E2	Page 20, Paragraph 20, Note 55 (between "GOOG-PLAY-010801568 at -570" and "GOOG-PLAY-001404176").	Google (Cramer Declaration ¶462)	
Exhibit E2	Page 22, Paragraph 24, Note 68 (between "the developers" and "and"; between "and" and "decided not to").	Google (Cramer Declaration ¶463)	
Exhibit E2	Page 27, Paragraph 36 (between "yet" and "percent").	Google (Cramer Declaration ¶464)	
Exhibit E2	Page 29, Paragraph 40 (between "less than" and "percent").	Google (Cramer Declaration ¶465)	
Exhibit E2	Page 29, Para. 40	Amazon (Morrill Declaration)	
Exhibit E2	Page 31, Paragraph 47 (between "OS for" and "of consumers"; between "OS of choice for" and "of those"; between "and for" and "of buyers").	Google (Cramer Declaration ¶466)	

Exhibit E2	Page 31, Paragraph 47, Note 89 (between “Only” and “of purchasers”).	Google (Cramer Declaration ¶467)	
Exhibit E2	Page 32, Paragraph 49 (between “only” and “of U.S. Android users”).	Google (Cramer Declaration ¶468)	
Exhibit E2	Page 32, Paragraph 49, Note 97 (between “only” and “of Android users”).	Google (Cramer Declaration ¶469)	
Exhibit E2	Page 33, Paragraph 51, Note 110 (between “GOOG-PLAY-002416488” and “data showing”).	Google (Cramer Declaration ¶470)	
Exhibit E2	Exhibit 1, Page 33, Para. 51, n.110: All text between the parentheses immediately following “See, e.g., GOOG-PLAY-002416488”.	Spotify (Declaration of Sandra Alzetta ¶¶ 6-7)	
Exhibit E2	Page 36-37, Para. 60	Amazon (Morrill Declaration)	
Exhibit E2	Page 37, Para. 60	Amazon (Morrill Declaration)	
Exhibit E2	Page 39, Paragraph 66 (between “recognizes that” and “Google’s business strategy”; between “documents” and “recognizing”; between “established one” and end of sentence).	Google (Cramer Declaration ¶471)	
Exhibit E2	Page 43, Paragraph 78, Note 178 (between “specifies that” and “of”; between “of” and “When the contract”; between “in 2012” and “share of”; between “share of” and “was reduced”; between “reduced to just” and “See GOOG-PLAY-001559464.R at -492.R”; between “titled” and “Search Revenue Share	Google (Cramer Declaration ¶472)	

	Renewal”).		
Exhibit E2	Page 45, Paragraph 84 (between “increased from” and “Part of this”; between “increase in the” and “Margin / Device”; between “increases from” and “The remainder”; between “increase in the” and “Margin / Device”; between “increases from” and “The incremental”; between “at” and “This LTV analysis”).	Google (Cramer Declaration ¶473)	
Exhibit E2	Page 46, Figure 6 (entire chart).	Google (Cramer Declaration ¶474)	
Exhibit E2	Page 46, Paragraph 85 (between “incremental” and “on Google services”).	Google (Cramer Declaration ¶475)	
Exhibit E2	Page 47, footnote 196 (within parenthetical)	Match Plaintiffs (Purves Declaration ¶¶ 30, 105, 200)	
Exhibit E2	Page 48, Paragraph 90 (between “to just” and “percent”; between “and just” and percent”).	Google (Cramer Declaration ¶476)	
Exhibit E2	Page 48, Paragraph 90, Note 201 (between “approximately” and “of all Google Android”).	Google (Cramer Declaration ¶477)	
Exhibit E2	Page 48, Paragraph 91, Note 203 (between “at” and “in 2019 and 2020”; between “The” and “statistic”; between “less than” and “of Apps”).	Google (Cramer Declaration ¶478)	
Exhibit E2	Page 50, Paragraph 94, Note 208 (between “his time at” and “Id. at 101:21-102:14”).	Google (Cramer Declaration ¶479)	
Exhibit E2	Page 50, Paragraph 95, Note 209 (between “Id. at 321:19-323:1” and “Id. at 324:6-12”; between “for the developer” and end of sentence).	Google (Cramer Declaration ¶480)	

Exhibit E2	Page 50, Paragraph 96 (between “increase from” and “See Table 16”).	Google (Cramer Declaration ¶481)	
Exhibit E2	Page 50, Paragraph 96 (between “approximately” and “which is far above”; between “subsidy of” and end of sentence).	Google (Cramer Declaration ¶482)	
Exhibit E2	Page 52, Paragraph 98 (between “approximately” and “See Table 6”; between “price of” and “multiplied”; between “take rate of” and end of sentence).	Google (Cramer Declaration ¶483)	
Exhibit E2	Page 52, Paragraph 98 (between “approximately” and “See Table 6”; between “price of” and “multiplied”; between “take rate of” and end of sentence).	Google (Cramer Declaration ¶484)	
Exhibit E2	Page 52, Paragraph 98 (between “approximately” and “percent”; between “equal to” and end of sentence).	Google (Cramer Declaration ¶485)	
Exhibit E2	Page 52, Paragraph 98, Note 218 (between “approximately” and end of sentence).	Google (Cramer Declaration ¶486)	
Exhibit E2	Page 54, Paragraph 105 (between “would amount to” and “of mobile gaming”; between “represented” and “of mobile games”).	Google (Cramer Declaration ¶487)	
Exhibit E2	Page 57, Para. 113, n. 253	Amazon (Morrill Declaration)	
Exhibit E2	Page 57, Para. 113, n. 254	Amazon (Morrill Declaration)	
Exhibit E2	Page 57, Para. 113, n. 255	Amazon (Morrill Declaration)	

Exhibit E2	Page 57, Para. 114, n. 258	Amazon (Morrill Declaration)	
Exhibit E2	Page 57-58, Para. 114	Amazon (Morrill Declaration)	
Exhibit E2	Page 58, Para. 114, n. 262	Amazon (Morrill Declaration)	
Exhibit E2	Page 58, Para. 115	Amazon (Morrill Declaration)	
Exhibit E2	Page 59, Para. 120	Amazon (Morrill Declaration)	
Exhibit E2	Page 61, Paragraph 121, Note 283 (between “showing” and “percent of 2021”).	Google (Cramer Declaration ¶488)	
Exhibit E2	Page 65, Paragraph. 127 (between “over” and “percent of App”).	Google (Cramer Declaration ¶489)	
Exhibit E2	Page 66, Table 1 (entire chart, except for the “Month” column).	Google (Cramer Declaration ¶490)	
Exhibit E2	Page 66, Paragraph 128 (between “describe as” and “Although P2P”).	Google (Cramer Declaration ¶491)	
Exhibit E2	Page 66, Paragraph 128, Note 299 (between “where are installs coming from?...” and end of sentence).	Google (Cramer Declaration ¶492)	
Exhibit E2	Page 66-67, Para. 129	Amazon (Morrill Declaration)	
Exhibit E2	Page 67, Table 2	Amazon (Morrill Declaration)	

Exhibit E2	Page 67, Paragraph 130 (between “through the” and “also represented”; between “such as” and “have market shares”).	Google (Cramer Declaration ¶493)	
Exhibit E2	Page 67, Figure 10 (entire chart).	Google (Cramer Declaration ¶494)	
Exhibit E2	Page 69, Paragraph 133, Note 302 (between “Koh Dep. 323:3-23” and “didn’t invest”).	Google (Cramer Declaration ¶495)	
Exhibit E2	Page 69, Paragraph 134 (between “and the” and “store was”).	Google (Cramer Declaration ¶496)	
Exhibit E2	Page 69, Table 4 (all numbers under column “Amazon”; all numbers under column “LG”; all numbers under column “Galaxy”).	Google (Cramer Declaration ¶497)	
Exhibit E2	Page 70-71, Paragraph 138 (between “profit of” and “in 2019”; between “a” and “over the Play Store’s”; between “profit of” and “in 2018”; between “excluding ads” and “to”; between “to” and “in 2020”; between “in 2020, an” and “of”; between “of” and “from the prior year”; between “2020 was” and “and its operating”; between “margin was” and “A separate spreadsheet”; between “additional” and “on ads”; between “with” and “of those revenues”; between “of those revenues” and “In 2021”; between “gross profit margin was” and “its operating”; between “operating profit margin was” and “and its operating”; between “profit was” and “In 2021”; between “additional” and “on ads”; between “with” and	Google (Cramer Declaration ¶498)	

	“of those revenues (again)”; between “(again)” and “Google has projected”; between “income will” and “to”; between “to” and “by 2025”).		
Exhibit E2	Page 70, Paragraph 138, Note 315 (between “revenue of” and “in 2020”; between “sales of” and “direct operating”; between “expenses of” and “and cost allocations of”; between “and cost allocations of” and “These data”; between “revenue of” and “Similarly”; between “direct costs is” and “and the 2020”; between “cost allocations is” and end of sentence).	Google (Cramer Declaration ¶499)	
Exhibit E2	Page 70, Paragraph 138, Note 316 (between “(excluding ads) of” and “and gross”; between “profit of” and “for gross”; between “margin of” and “The Play Store’s”; between “profit was” and “in 2021”; between “margin of” and “percent”).	Google (Cramer Declaration ¶500)	
Exhibit E2	Page 71, Paragraph 138, Note 317 (between “revenue of” and “in 2021”; between “profit of” and “for a gross”; between “margin of” and “Total operating expenses”; between “recorded at” and “yielding”; between “operating profit of” and “for an operating margin of”; between “for an operating margin of” and end of sentence).	Google (Cramer Declaration ¶501)	
Exhibit E2	Page 73, Paragraph 145, Note 333 (between “Explaining that” and “(emphasis in original)”).	Google (Cramer Declaration ¶502)	
Exhibit E2	Page 74, Paragraph 147 (between “own billing infrastructure” and “Similar to”; between “Similar	Google (Cramer Declaration ¶503)	

	to” and “Record evidence”; between “indicates that” and end of sentence).		
Exhibit E2	Pages 74–75, paragraph 148 (between “Match found” and end of sentence; and between “estimated that” and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 31, 106, 201)	
Exhibit E2	Page 76, Paragraph 153, Note 358 (between “GOOG-PLAY- 000259276” and “is definitely”; between “Epic and” and “wanted to use”; between “suspected” and “would want to”; between “to bring” and “on to our Billing”; between “including” and “interpret”).	Google (Cramer Declaration ¶504)	
Exhibit E2	Exhibit 1, Page 76, Para. 153, n.358: All text between the parentheses immediately following “See also GOOG- PLAY-000259276 GOOG- PLAY-004716632”.	Spotify (Declaration of Sandra Alzetta ¶¶ 9-11)	
Exhibit E2	Exhibit 1, Page 77, Para. 154, n.364: All text between the parentheses immediately following GOOG-PLAY- 004470512 at -513”	Spotify (Declaration of Sandra Alzetta ¶¶ 9-11)	
Exhibit E2	Page 77, Paragraph 154, Note 364 (between “Billing” and “Match”; between “Match” and “and others”; between “GOOG- PLAY-000258923 at -924” and “does not believe”; between “services like match” and “began as web”; between “summarizing” and “test”).	Google (Cramer Declaration ¶505)	
Exhibit E2	Page 78, Paragraph 158, Footnote 370	Coda (Wijaya Declaration ¶4)	



Exhibit E2	Page 80, Paragraph 162, Note 374 (between “survey found that” and “are from”; between “while” and “are implicit”; between “Play Store” and “responded affirmatively”; between “Id. at -584.” and “thought that information”).	Google (Cramer Declaration ¶506)	
Exhibit E2	Page 80, Paragraph 164 (between “by roughly” and “implying that”; between “for one year” and end of sentence).	Google (Cramer Declaration ¶507)	
Exhibit E2	Page 80, Paragraph 164, Note 377 (between “will cost” and end of sentence).	Google (Cramer Declaration ¶508)	
Exhibit E2	Page 81, Paragraph 165, Note 382 (between “regarding” and “enabling Google Play”).	Google (Cramer Declaration ¶509)	
Exhibit E2	Page 81, Paragraph 165, Note 383 (between “signed by” and “etc.”; between “such as” and “signed more”; between “GOOG-PLAY-007271978” and “GOOG-PLAY-007272461”; between “GOOG-PLAY-007272461” and “GOOG-PLAY- 007317231”; between “GOOG-PLAY- 007317231” and “GOOG-PLAY-007317239”; between “GOOG-PLAY-007317239” and “GOOG-PLAY-009214128”; between “GOOG-PLAY-009214128” and end of sentence).	Google (Cramer Declaration ¶510)	
Exhibit E2	Page 81, Paragraph 165, Note 384 (between “Addendum for the” and “Developer obligations”; between “GOOG-PLAY-007505091 (Apps	Google (Cramer Declaration ¶511)	

	Velocity Program Addendum for the” and end of sentence).		
Exhibit E2	Page 21, Paragraph 165, Noe 384 (References to “Smule”)	Smule (Bradford Declaration ¶3(c))	
Exhibit E2	Page 81-82, Paragraph 166 (between “provided a” and “take rate”).	Google (Cramer Declaration ¶512)	
Exhibit E2	Page 81, para. 165, fn. 383.	Warner (Walker Declaration ¶11)	
Exhibit E2	Page 81, Paragraph 166, Note 385 (between “Agreement with” and “Eligibility”; between “such as the” and “and”; between “and” and “were provided with”; between “such as” and “GOOG-PLAY-007273682”).	Google (Cramer Declaration ¶513)	
Exhibit E2	Exhibit 1, Page 82, Para. 168, n.390: All text between the parentheses immediately following “See Alzetta Rough Dep. Tr. 42:10-43:17”.	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13)	
Exhibit E2	Page 82, Paragraph 166, Note 386 (between “Program Addendum with” and “GOOG-PLAY-007505116”; between “Program Addendum with” and “became the first”; between “March 2022” and “would be subject”; between “subject to a” and “take rate”; between “Google Play Billing and” and “if a user”; between “chooses” and end of sentence).	Google (Cramer Declaration ¶514)	
Exhibit E2	Page 82, Paragraph 167 (between “including in the” and “Project Hug”; between “provided” and “The terms of”; between “contribution of” and “from	Google (Cramer Declaration ¶515)	

	Google in”; between “from Google in” and “Riot Games”; between “receiving” and “of support for”; between “of support for” and “content”; between “content and” and “in”; between “in” and “receiving a”; between “receiving a” and “in which Google”; between “agreed to” and end of sentence).		
Exhibit E2	Page 82, ¶167	Activision Blizzard (Robinson Declaration)  EA (Contro Declaration ¶6)  Riot (Nabel Declaration ¶2)	
Exhibit E2	Page 82, Paragraph 167, Note 387 (between “Distribution Agreement for the” and end of sentence).	Google (Cramer Declaration ¶516)	
Exhibit E2	Page 82, Paragraph 168 (between “one document” and “is only one”; between “offered a” and “rev share”; between “share.’ A” and “executive testified”; between “Google and” and “have reached”; between “rate is” and “when the”; between “approximately” and “otherwise”; between “showing a” and “take rate”).	Google (Cramer Declaration ¶517)	
Exhibit E2	Page 82, Paragraph 168, Note 390 (between “See” and “Rough Dep.”; between “did” and “pay Google”; between “in the” and “app downloaded”; between “choices to use” and “for its payment”; between “commissions that” and “would pay”; between “of paying” and	Google (Cramer Declaration ¶518)	

	end of sentence).		
Exhibit E2	Page 83, Paragraph 168, Note 391 (between “See” and “Rough Dep.”).	Google (Cramer Declaration ¶519)	
Exhibit E2	Page 83, Paragraph 169 (between “For example, the” and “had total”; between “of” and “in 2021”; between “approximately” and “The vast majority”; between “2021, the” and “worldwide”; between “approximately” and “Even these estimates”; “given that the” and “In-App aftermarket”; “only about” and “percent of its”).	Google (Cramer Declaration ¶520)	
Exhibit E2	Page 83, Para. 169, n. 395	Amazon (Morrill Declaration)	
Exhibit E2	Page 83, Para. 169, n. 396	Amazon (Morrill Declaration)v	
Exhibit E2	Page 84, Figure 11 (entire chart).	Google (Cramer Declaration ¶521)	
Exhibit E2	Page 84, Paragraph 170 (between “smaller than” and “As seen”; between “Store are” and “of those”).	Google (Cramer Declaration ¶522)	
Exhibit E2	Page 85, Figure 12 (entire chart).	Google (Cramer Declaration ¶523)	
Exhibit E2	Exhibit 1, Page 87, Para. 177	Verizon (Zahid Declaration ¶8)	
Exhibit E2	Page 87, Paragraph 177 (between “Verizon with” and “percent of”; between “Google retained” and “percent”; between “Verizon a” and “percent share”; between “AT&T” and “of Gross”; between “sales, leaving” and	Google (Cramer Declaration ¶524)	

	“percent”).		
Exhibit E2	Page 87, Paragraph 177, Note 405 (between “carriers received” and “of revenue”; between “deals from” and “on DCB”; between “DCB and” and “on Credit”; between “Apps to” and “and”; between “and” and “respectively”).	Google (Cramer Declaration ¶525)	
Exhibit E2	Page 88-89, Paragraph 179 (between “approximately” and “percent”; between “would have” and “its”; between “its” and “percent revenue”).	Google (Cramer Declaration ¶526)	
Exhibit E2	Page 89, Paragraph 179, Note 412 (between “calculated at” and “of consumer expenditures”).	Google (Cramer Declaration ¶527)	
Exhibit E2	Exhibit 1, Page 91, Para. 185	Verizon (Zahid Declaration ¶8)	
Exhibit E2	Page 94, Paragraph 193, Note 451 (between “July 1, 2020” and “Google”).	Google (Cramer Declaration ¶528)	
Exhibit E2	Page 94, Paragraph 194, Note 452 (between “2018” and “MADA”; between “2017” and “MADA”; between “2011” and “MADA”).	Google (Cramer Declaration ¶529)	
Exhibit E2	Page 96, Paragraph 197 (between “Samsung” and “And in questioning”; between “employee wrote” and end of sentence).	Google (Cramer Declaration ¶530)	
Exhibit E2	Page 100, Paragraph 209 (between “OEMs on a” and “if the OEM”; between “nearly” and “in 2020”; between “up to” and “in 2023”; between “stated goal was” and end of sentence).	Google (Cramer Declaration ¶531)	
Exhibit E2	Page 100-101, Paragraph 210	Google (Cramer	

	(between “at least” and “OEMs”; between “projections for” and “OEMs”; between “Google anticipated” and “Premier Tier”; between “January 2021” and “devices sold”).	Declaration ¶532)	
Exhibit E2	Page 100, Paragraph 210, Note 497 (between “GOOG-PLAY-000620210” and “GOOG-PLAY-000620638”; between “GOOG-PLAY-000620638” and “GOOG-PLAY-005706338”; between “GOOG-PLAY-005706338” and “GOOG-PLAY-008111867”; between “GOOG-PLAY-008111867” and “GOOG-PLAY-001745614”; between “GOOG-PLAY-001745614” and “GOOG-PLAY-000416708”; between “GOOG-PLAY-000416708” and “GOOG-PLAY-000620282”; between “GOOG-PLAY-000620282” and “GOOG-PLAY-000620442”; between “GOOG-PLAY-000620442” and “GOOGPLAY-000620131”; between “GOOGPLAY-000620131” and “GOOG-PLAY-005706436”; between “GOOG-PLAY-005706436” and “GOOG-PLAY-005706676”; between “GOOG-PLAY-005706676” and “GOOG-PLAY-007038477”; between “GOOG-PLAY-007038477” and “GOOG-PLAY-007038511”; between “GOOG-PLAY-007038511” and “GOOG-PLAY-000620478”; between “GOOG-PLAY-000620478” and “GOOG-PLAY-005706728”; between “GOOG-PLAY-005706728” and “GOOG-PLAY-000416651”; between	Google (Cramer Declaration ¶533)	

	“GOOG-PLAY-000416651” and end of sentence).		
Exhibit E2	Page 101, Paragraph 210, Note 500 (between “Id. at -173.R.” and “premier”; between “tier for” and end of sentence).	Google (Cramer Declaration ¶534)	
Exhibit E2	Page 102, Paragraph 214, Note 511 (between “(Co-marketing fund agreement)” and end of sentence).	Google (Cramer Declaration ¶535)	
Exhibit E2	Page 103, Paragraph 215, Note 515 (between “offer Samsung” and “Id. at -809.”; between “In return” and “only App stores”; between “home screen” and “Id. at -810—811.”).	Google (Cramer Declaration ¶536)	
Exhibit E2	Page 103-104, Paragraph 217 (between “internally as the” and “requirement”; between “developers to” and “Google’s documents”).	Google (Cramer Declaration ¶537)	
Exhibit E2	Page 103, Paragraph 217, Note 519 (between “impact of” and “requirement”).	Google (Cramer Declaration ¶538)	
Exhibit E2	Page 104, Paragraph 218 (between “imposed” and “provisions”; between “developers” and “when distributing”; between “deal with” and “Such provisions”).	Google (Cramer Declaration ¶539)	
Exhibit E2	Page 104, ¶ 219	Activision Blizzard (Robinson Declaration)	
Exhibit E2	Page 104, ¶ 219, n. 523	Activision Blizzard (Robinson Declaration)	
Exhibit E2	Page 104, ¶ 219, n. 528	Activision Blizzard	

		(Robinson Declaration)	
Exhibit E2	Page 104-105, ¶ 219	Riot (Nabel Declaration ¶2)	
Exhibit E2	Page 105, Paragraph 222, Note 537 (between “Sessions/User metric at just” and “percent”; between “App/User metric at just” and “percent”).	Google (Cramer Declaration ¶540)	
Exhibit E2	Page 106, Paragraph 223 (between “major game release” and “confirmed”; between “estimated the” and “(across all Apps)”; between “or between” and “of the amount consumers”).	Google (Cramer Declaration ¶541)	
Exhibit E2	Page 106-107, Paragraph 225 (between “one year” and “game developers”; between “holdouts” and “a popular gaming”; between “to Google, if” and “were to migrate”; between “impact would be” and “in spend”; between “risk” of” and “defection”; between “offer to” and “that involved”; between “Google had offered” and “a”; between “a” and “reinvestment”; between “Shortly thereafter” and “signed a”).	Google (Cramer Declaration ¶542)	
Exhibit E2	Page 106, Paragraph 224, Note 541 (between “Play reinvests” and “See also GOOG-PLAY-004119228.R at -237.R”; between “Play takes” and “a developer”; between “dollars towards” and end of sentence).	Google (Cramer Declaration ¶543)	
Exhibit E2	Page 106, Paragraph 225, Note 544 (between “Id.” and “is therefore considering”).	Google (Cramer Declaration ¶544)	
Exhibit E2	Page 107, Paragraph 226 (between “resulted in” and	Google (Cramer Declaration	



	“(2019-2022)”;	between “driving an” and “dollars”).	¶545)	
Exhibit E2	Page 108, Paragraph 228 (between “estimate that the” and “game developers”; between “accounted for” and “of all game-related”; between “revenue and” and “of all App”; between “exclusively selling” and “of the most”).		Google (Cramer Declaration ¶546)	
Exhibit E2	Page 107, Paragraph 225, Note 546 (between “As” and “has influence”; between “up to” and “of Play revenue”; between “of Play revenue” and “would have a”; between “margin risk of” and “for Play”; between “risk” of” and “defection”; between “percentage of” and “and to”; between “and to” and “a percentage of subscription”; between “spend into” and end of sentence”).		Google (Cramer Declaration ¶547)	
Exhibit E2	Page 108, Paragraph 228, Note 556 (between “GOOG-PLAY-000237798” and “is excluded from”; between “GOOG-PLAY-000001976” and “is therefore considering”).		Google (Cramer Declaration ¶548)	
Exhibit E2	Page 108, Paragraph 228, Note 557 (between “with” and “excluded, supra”).		Google (Cramer Declaration ¶549)	
Exhibit E2	Page 108, Paragraph 230, Note 560 (between “Hug” and “GOOG-PLAY-011269238 at -260”; between “whether the” and “and other developer”).		Google (Cramer Declaration ¶550)	
Exhibit E2	Page 109-110, Paragraph 233 (between “relationship with” and “indicate”; between “meeting with” and “Google”; between		Google (Cramer Declaration ¶551)	

	“whitelist” and “in exchange for”; between “in exchange for” and “agreeing to limit”; between “suggest that if” and “appeared”; between “pull the” and “app from”; between “suggests that” and “and Google”; between “effect that” and “would not launch”; between “August 2020” and “executive”; between “executive” and “wrote in”; between “[W]e” and “have also made”; between “with the” and “installer”).		
Exhibit E2	Page 109, Paragraph 232, Note 567 (between “same meeting” and “disclosed”; between “ads in the” and “GOOG-PLAY-004698100.R at -102.R”).	Google (Cramer Declaration ¶552)	
Exhibit E2	Page 109, Paragraph 233, Note 568 (between “*update*” and “apps only”; between “white-listing” and “for purposes”; between “in exchange for” and “limiting”).	Google (Cramer Declaration ¶553)	
Exhibit E2	Page 110, Paragraph 233, Note 572 (between start of footnote and “_000015003”; between “-004” and “See also”; between “Kochikar to” and end of sentence; between “agreement with” and “Rasanen”; between “remember.’)” and “Dep. 212”; between “asked if” and “limited”; between “own apps,” and “Lagerling Dep.”; between “100:3-16” and “and did not ‘have a lot of’”; between “related to” and “because at that time”; between “discussing” and “direct app installs”; between “with respect to” and “experimenting”; between “from its” and “A. I don’t recall”; between “finding	Google (Cramer Declaration ¶554)	

	out from” and “So I can tell”).		
Exhibit E2	Page 110, Paragraph 234 (between “seek and obtain” and “commitment”; between “preload” and “with installation”; between “Google gave” and “waivers”; between “waivers on” and “continuing to refrain”).	Google (Cramer Declaration ¶555)	
Exhibit E2	Page 110-111, Paragraph 235 (between “Google offered” and “a technology”; between “apps shown in” and “Ms. Rasanen”; between “to make” and “want to cease”; between “via any” and “apps distributed”; between “while offering” and “an opportunity”; between “When” and “refused”; between “go back to” and “and propose”; between “propose a” and “trial agreement”).	Google (Cramer Declaration ¶556)	
Exhibit E2	Page 110, Paragraph 233, Note 571 (between “understanding that” and “only had”; between “agreement with” and “regarding”).	Google (Cramer Declaration ¶557)	
Exhibit E2	Page 110, Paragraph 234, Note 573 (between “certain point did” and “and Google”; between “regarding” and “install permissions”; between “A. Yes.” and “has agreed”; between “Purnima Kochikar to” and “stating”; between “assurance that” and “has deprioritized/stopped”; between “asking” and “to “confirm that”; between “to “confirm that” and “is not pursue”;).	Google (Cramer Declaration ¶558)	
Exhibit E2	Page 111, Paragraph 236 (between “offered Alley-Oop to”	Google (Cramer Declaration	

	and “at significant cost”; between “to motivate” and “to avoid”; between “compared” and “competing”; between “give” and “something they want”; between “essentially handing” and “billions”).	¶559)	
Exhibit E2	Page 111-112, Paragraph 237 (between “attempt to slow” and “progress”; between “negotiating to provide” and “with”; between “with” and “on a trial basis”; between “threaten” and “with termination”; between “trial period.” and “used”; between “indicates that” and “currently uses”).	Google (Cramer Declaration ¶560)	
Exhibit E2	Page 111, Paragraph 235, Note 576 (between “distribution via any” and “apps distributed”; between “while offering” and “an opportunity”; between “to test” and end of sentence).	Google (Cramer Declaration ¶561)	
Exhibit E2	Page 111, Paragraph 235, Note 577 (between “go back to” and “and propose”; between “propose a” and “trial agreement”; between “apps that use” and “GOOG-PLAY-006367390”; between “explaining that” and “is [w]illing to”; between “continue testing” and “Rasanen Dep. 204:9-16”; between “make clear to” and “that at the conclusion”; between “apps that use” and “A. I believe I did”).	Google (Cramer Declaration ¶562)	
Exhibit E2	Page 111, Paragraph 237, Note 582 (between “signal to” and “that our intent”).	Google (Cramer Declaration ¶563)	
Exhibit E2	Page 111, Paragraph 237, Note 583 (between “Google and” and	Google (Cramer Declaration	

	“entered into”; between “agreement permitting” and “to test”).	¶564)	
Exhibit E2	Page 112, Paragraph 237, Note 584 (between “know if” and “currently uses”).	Google (Cramer Declaration ¶565)	
Exhibit E2	Page 112, Paragraph 240, Note 588 (between “such as Chrome” and “Id. (showing, e.g., Chrome”; between “Chrome with a” and “malware install”; between “compared with” and end of sentence).	Google (Cramer Declaration ¶566)	
Exhibit E2	Page 115, Paragraph 249 (between “rivals to” and “Economists recognize”).	Google (Cramer Declaration ¶567)	
Exhibit E2	Page 116, Figure 15 (entire chart).	Google (Cramer Declaration ¶568)	
Exhibit E2	Page 118-119, Paragraph 257 (between “cost Google” and “revenue”; between “revenue” and “margin impact”; between “in three years” and “revenue”; between “revenue” and “margin risk”; between “payments at only” and “through 2022”).	Google (Cramer Declaration ¶569)	
Exhibit E2	Page 119, Paragraph 258 (between “in 2020, he assessed that” and end of sentence.)	Google (Cramer Declaration ¶570)	
Exhibit E2	Page 119, Paragraph 259 (between “reinvest” and end of sentence.)	Google (Cramer Declaration ¶571)	
Exhibit E2	Page 119, Paragraph 257, Note 611 (between “projected would constitute” and “of overall”).	Google (Cramer Declaration ¶572)	
Exhibit E2	Page 119, Paragraph 259, Note 616 (between “developers who represented” and end of	Google (Cramer Declaration ¶573)	

	sentence).		
Exhibit E2	Page 120, Paragraph 262 (between “would involve” and end of sentence”).	Google (Cramer Declaration ¶574)	
Exhibit E2	Page 122, Paragraph 267 (between “large developer” and “resisted Google’s efforts”; between “Nevertheless” and “took steps”; between “refused to allow” and “a major mobile game”; between “developer with” and “in annual consumer expenditures;” between “refused to allow” and “to offer users”; between “prevented Korean developer” and “with”; between “with” and “in annual consumer spend”).	Google (Cramer Declaration ¶575)	
Exhibit E2	Page 125, Figure 16 (title, between “Per User” and end of title; entire graph).	Google (Cramer Declaration ¶576)	
Exhibit E2	Page 125, Figure 17 (title, between “Per User” and end of title; entire graph).	Google (Cramer Declaration ¶577)	
Exhibit E2	Page 125, Figure 17	EA (Contro Declaration ¶6)	
Exhibit E2	Page 126, Figure 18 (title, between “Per User” and end of title; entire graph).	Google (Cramer Declaration ¶578)	
Exhibit E2	Page 129, Paragraph 282, Note 660 (between “indicate that” and “of consumer spend”).	Google (Cramer Declaration ¶579)	
Exhibit E2	Page 130, Paragraph 285 (between “alternative payment options” and end of sentence).	Google (Cramer Declaration ¶580)	
Exhibit E2	Page 130, Paragraph 285, Note 667 (between “GOOG-PLAY-007755618 at 5619” and end of sentence).	Google (Cramer Declaration ¶581)	

Exhibit E2	Page 131, Paragraph 289, Note 671 (between “in excess of” and “of consumer expenditures”).	Google (Cramer Declaration ¶582)	
Exhibit E2	Page 137, Paragraph 304 (between “approximately” and “percent of consumer expenditures”).	Google (Cramer Declaration ¶583)	
Exhibit E2	Page 137, Paragraph 304, Note 683 (between “to be” and “percent of consumer expenditures”).	Google (Cramer Declaration ¶584)	
Exhibit E2	Page 140, Paragraph 305 (between “take rate of” and “percent”; between “observed value of” and “percent”; between “Android App Distribution Market is” and “down from”; between “observed price of” and “net of”; between “consumers of” and “per paid App”; between “equal to” and “which demonstrates impact”; between “damages of” and “equal to”; between “equal to” and “paid App”).	Google (Cramer Declaration ¶585)	
Exhibit E2	Page 141, Table 6 (all numbers under column “Value”; text below the table, between “8/16/2016-1/31/2017” and “I calculated”; text below the table, between “I summed the” and “fields from the App”).	Google (Cramer Declaration ¶586)	
Exhibit E2	Page 144-145, Para. 312	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 313	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 313	Amazon (Morrill)	

		Declaration)	
Exhibit E2	Page 145-146, Para. 313	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 312, n. 707	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 312, n. 708	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 313, n. 709	Amazon (Morrill Declaration)	
Exhibit E2	Page 145, Para. 313, n. 712	Amazon (Morrill Declaration)	
Exhibit E2	Page 148, Paragraph 318 (between “platform model of” and “percent”; between “15 percent” and “offered by”; between “billing options (such as” and “and others”).	Google (Cramer Declaration ¶587)	
Exhibit E2	Page 148, Paragraph 318, Note 729 (between “Google offered a” and “percent”; between “developers such as” and “and others”; between “take rates of” and “see GOOG-PLAY-000442329 at -345—346”; between “GOOG-PLAY-004717237 and” and “see GOOGLPLAY-000338849.R at -888.R”).	Google (Cramer Declaration ¶588)	
Exhibit E2	Page 151, Paragraph 323 (between “processing at just” and “percent”; between “costs came to” and “percent”).	Google (Cramer Declaration ¶589)	
Exhibit E2	Page 151-152, Paragraph 324 (between “costs came to” and	Google (Cramer Declaration	



	“percent”; between “estimated at” and “percent”; between “marginal costs” and “percent of revenues”).	¶590)	
Exhibit E2	Page 151, Paragraph 323, Note 739 (between “Google’s average” and “percent”; between “costs are” and “for 2,300”; between “5,000 developers, and” and “for the vast majority”).	Google (Cramer Declaration ¶591)	
Exhibit E2	Page 151, Paragraph 323, Note 740 (between “blended rate of” and “percent”).	Google (Cramer Declaration ¶592)	
Exhibit E2	Page 154, Paragraph 330 (between “came to” and “between mid-August”; between “collected” and “in U.S. commissions”; between “actual world of” and “percent”; between “volume was” and “implying”; between “transaction of” and “Google received”; between “Google received” and “per transaction”; between “estimated at” and “percent”; between “consumer price, or” and “per transaction”; between “cost of” and “percent”; between “elasticity is” and “By equation”; between “elasticity is” and “The values of”).	Google (Cramer Declaration ¶593)	
Exhibit E2	Page 155, Table 8 (all numbers under column “Value”; column “Source/Notes, row [7], between “equal to” and “of consumer expenditure”).	Google (Cramer Declaration ¶594)	
Exhibit E2	Page 156-157, Paragraph 332 (between “calculated at” and “which implies”; between “margin of” and “percent, as seen in Table 8”; between “fall to” and “per transaction”;	Google (Cramer Declaration ¶595)	

	between “savings of” and “per transaction”; between “come to” and “over the time period”; between “fall to” and “percent”; between “margin would be” and “percent”).		
Exhibit E2	Page 157, Paragraph 334	Coda (Wijaya Declaration ¶4)	
Exhibit E2	Page 162, footnote 799 (between “76:9-77:5 (“” and end of parenthetical)	Match Plaintiffs (Purves Declaration ¶¶ 32, 107, 202)	
Exhibit E2	Page 164, Figure 19 (entire chart).	Google (Cramer Declaration ¶596)	
Exhibit E2	Page 164-165, Paragraph 344 (between “third row displays” and “in the “Option” column”; between “base rate of” and “for Google’s payment”; between “decreases from” and “the greater are”; between “there is” and “so the final column”; between “final column shows” and end of sentence).	Google (Cramer Declaration ¶597)	
Exhibit E2	Page 167, Paragraph 349, Note 811 (between “no more than” and “of users”; between “(2020) stating” and “As explained below”).	Google (Cramer Declaration ¶598)	
Exhibit E2	Page 176, footnote 851 (between “changes from” and “to”; and between “to” and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 33, 108, 203)	
Exhibit E2	Page 180, Paragraph 366, Note 865 (between “(No. 3:20-cv-05761-JD)” and “Only recently”; between “take rate of approximately” and “percent”).	Google (Cramer Declaration ¶599)	
Exhibit E2	Exhibit 1, Page 180, Para. 366, n.865: All text after “entered into	Spotify (Declaration of Sandra	

	a ‘Choice in Billing’ agreement where Spotify would pay Google” up to the period at the end of that sentence.	Alzetta ¶¶ 12-13)	
Exhibit E2	Page 183, Paragraph 369, Note 877 (between “subscription offerings” and “and (2) that”; between “and (2) that” and “had one of”; between “one of the” and “ADAP agreements”).	Google (Cramer Declaration ¶600)	
Exhibit E2	Page 186, Paragraph 375 (between “program to reach” and “and develop additional ways”; between “additional ways for” and “to participate”; between “to achieve “ and “enrolled members”).	Google (Cramer Declaration ¶601)	
Exhibit E2	Page 186, Paragraph 377 (between “ONE Store’s” and “Google also noted”; between “enrolling” and “upon launch”; between “approximately” and “in South Korea”).	Google (Cramer Declaration ¶602)	
Exhibit E2	Page 187, Paragraph 378 (between “to do with” and “a holdout on”; between “Project Hug” and “wanted a reduced”; between “One was to” and “Another was to”; between “Another was to” and “A third option”; between “third option was to” and “Under this third approach”; between “We should let” and “know that”; between “proposed by” and “Google cared”; between “was willing to” and end of sentence).	Google (Cramer Declaration ¶603)	
Exhibit E2	Page 187, Paragraph 379 (between “mobile carriers” and “percentage”; between take rate (or” and “percent”).	Google (Cramer Declaration ¶604)	

Exhibit E2	Page 187, Paragraph 381 (between “consumers, as” and “of U.S. consumers”; between “in the program and” and “of U.S. consumers”; between “That only” and “of U.S. consumers”; between “that only” and “of those who participated”).	Google (Cramer Declaration ¶605)	
Exhibit E2	Page 187, Paragraph 381, Note 911 (between “Equal to” and end of sentence).	Google (Cramer Declaration ¶606)	
Exhibit E2	Page 188, Para. 383	Amazon (Morrill Declaration)	
Exhibit E2	Page 188, Para. 383, n. 913	Amazon (Morrill Declaration)	
Exhibit E2	Page 188, Paragraph 384 (between “average value of” and “percent”).	Google (Cramer Declaration ¶607)	
Exhibit E2	Page 189-190, Paragraph 386 (between “equal to” and “of consumer expenditures”).	Google (Cramer Declaration ¶608)	
Exhibit E2	Page 190, Paragraph 386 (between “value of” and “in the monopoly setting”; between “Equation (V.11) to” and “in the competitive setting”; between “arrive at” and “using the relation between”).	Google (Cramer Declaration ¶609)	
Exhibit E2	Page 190, Paragraph 386, Note 920 (between “changes from” and “in the monopoly setting”; between “Equation (V.11) to” and “See, e.g., Landes & Posner”).	Google (Cramer Declaration ¶610)	
Exhibit E2	Page 191, Table 16 (all numbers under column “Value”).	Google (Cramer Declaration ¶611)	

Exhibit E2	Page 191-192, Paragraph 387 (between “an average of” and “per transaction”; between “approximately” and “percent of”; between “downloads in is” and “down from”; between “price of” and “net of”; between “consumers of” and “and aggregate damages”; between “damages of” and “as a result”).	Google (Cramer Declaration ¶612)	
Exhibit E2	Page 191, Paragraph 387, Note 921 (between “Equal to the” and “divided by”; between “product price of” and end of sentence).	Google (Cramer Declaration ¶613)	
Exhibit E2	Page 192, Paragraph 390 (between “excess of” and “of consumer expenditures”).	Google (Cramer Declaration ¶614)	
Exhibit E2	Page 192, Paragraph 387, Note 922 (between “Equal to” and end of sentence).	Google (Cramer Declaration ¶615)	
Exhibit E2	Page 194, Paragraph 395 (between “Android App Distribution Market was” and “and the average”; between “In-App Content was” and “According to”; between “Android App Distribution Market would be” and “According to”; between “In-App Aftermarket would be” and end of sentence.)	Google (Cramer Declaration ¶616)	
Exhibit E2	Page 194, Paragraph 396 (between “decline from” and “in the actual world”; between “actual world to” and “per transaction”; between “total savings of” and “per transaction”; between “benefit because” and “percent”).	Google (Cramer Declaration ¶617)	
Exhibit E2	Page 194, Paragraph 397 (between “elasticity of” and	Google (Cramer Declaration ¶618)	

	“shown in Table 8”; between “demand increases by” and “percent”; between “demand by” and “percent”).		
Exhibit E2	Page 194-195, Paragraph 398 (between “elasticity of” and “in Table 8”; between “approximately” and “in the but-for world”).	Google (Cramer Declaration ¶619)	
Exhibit E2	Page 195, Paragraph 398, Note 933 (between “approximately” and “driven by a decrease”; between “approximately” and “equal to”; between “approximately” and “driven by the increase”; between “take rate to” and “percent”).	Google (Cramer Declaration ¶620)	
Exhibit E2	Page 197, Paragraph 402 (between “earned” and “in the sale”).	Google (Cramer Declaration ¶621)	
Exhibit E2	Page 203, Table 17 (all numbers under column “% of all Units Sold”; all numbers under column “% of all Consumer Expenditures”).	Google (Cramer Declaration ¶622)	
Exhibit E2	Page 203, Table 18 (all numbers under column “Android App Distribution Market (Table 6)”; all numbers under column “In-App Aftermarket (Table 8)”; all numbers under column “Aggregate”).	Google (Cramer Declaration ¶623)	
Exhibit E2	Page 203, Paragraph 415 (between “Market come to” and “and aggregate”; between “In-App Aftermarket come to” and end of sentence.)	Google (Cramer Declaration ¶624)	
Exhibit E2	Page 204, Table 19 (all numbers under column “Discount Model (Table 16)”; all numbers under	Google (Cramer Declaration ¶625)	

	column “Single Take Rate Model (Table A4)”.		
Exhibit E2	Page 204, Para. 417	Amazon (Morrill Declaration)	
Exhibit E2	Page 204, Para. 417, n. 954	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Table 20	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Para. 418	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Para. 419	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Para. 420	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Paragraph 420 (between “damages of” and “Table 21”; between “significantly lower” and “because”).	Google (Cramer Declaration ¶626)	
Exhibit E2	Page 205, Table 20	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Table 20	Amazon (Morrill Declaration)	
Exhibit E2	Page 205, Table 20	Amazon (Morrill Declaration)	
Exhibit E2	Page 206, Table 21	Amazon (Morrill Declaration)	
Exhibit E2	Page 206, Table 21 (last column of figures).	Google (Cramer Declaration ¶627)	

Exhibit E2	Page 206, Table 22	Amazon (Morrill Declaration)	
Exhibit E2	Page 206, Table 22 (all three columns below “Time Period” and “Total”).	Google (Cramer Declaration ¶628)	
Exhibit E2	Page 209, Table 23 (all numbers under column “Actual Take Rate”; all numbers under column “But-For Take Rate”; all numbers under column “But-For Expenditure”; all numbers under column “CM Damages”; all numbers under column “CM Overcharge (%)”).	Google (Cramer Declaration ¶629)	
Exhibit E2	Page 209, Paragraph 429 (between “actual take rate of” and “a but-for take rate of”; between “but-for take rate of” and “and a passthrough rate of”; between “passthrough rate of” and “percent”; between “but-for expenditures are” and “This yields”; between “damages of” and “for each \$10”; between “damages would be” and “of expenditures”; between “of expenditures” and end of sentence).	Google (Cramer Declaration ¶630)	
Exhibit E2	Page 210, Table 24 (all numbers under column “Actual Take Rate”; all numbers under column “But-For Take Rate”; all numbers under column “But-For Expenditure”; all numbers under column “CM Damages”; all numbers under column “CM Overcharge (%)”).	Google (Cramer Declaration ¶631)	
Exhibit E2	Page 262-263, Paragraph 442 (between “approximately” and “percent of”).	Google (Cramer Declaration ¶632)	
Exhibit E2	Page 264, Paragraph 444	Google (Cramer	



	(between “price is” and “down from”; between “price of” and “net of”; between “damages of” and “for the U.S.”; between “shift from” and “in the monopoly setting”; between “Equation (V.3)) to” and “in the competitive setting”).	Declaration ¶633)	
Exhibit E2	Page 265, Table A4 (all numbers under column “Value”).	Google (Cramer Declaration ¶634)	
Exhibit E2	Page 266, Paragraph 445 (between “increase to” and “per transaction”; between “up from” and “per transaction”; between “rate is” and “down from”; between “down from” and “in the actual world”; between “Class of” and end of sentence).	Google (Cramer Declaration ¶635)	
Exhibit E2	Page 267, Table A5 (all numbers under column “Value”).	Google (Cramer Declaration ¶636)	
Exhibit E2	Page 268, Table A5 continued (all numbers immediately to the left of the word “Calculated” in each row).	Google (Cramer Declaration ¶637)	
Exhibit E2	Page 269, Table A6 (entire chart).	Google (Cramer Declaration ¶638)	
Exhibit E2	Page 270, Table A6 continued (entire chart).	Google (Cramer Declaration ¶639)	
Exhibit E2	Page 271, Appendix 6 (all numbers under column “OLS Price Coefficient”; all numbers under column “IV Price Coefficient”; text below table, between “comprised of” and “Fixed effects”).	Google (Cramer Declaration ¶640)	
Exhibit E2	Page 273, Appendix 7 (between “less than” and end of sentence).	Google (Cramer Declaration ¶641)	

Exhibit E3	Page 13, Paragraph 10.o (between “upon was” and end of sentence).	Google (Cramer Declaration ¶642)	
Exhibit E3	Page 13, Paragraph 10.q (between “up to” and end of sentence).	Google (Cramer Declaration ¶643)	
Exhibit E3	Page 13, Paragraph 10.r (between “up to” and “and consumer”; between “be up to” and end of sentence).	Google (Cramer Declaration ¶644)	
Exhibit E3	Pages 13–14, paragraph 10.t (between “additional” and “in service fees”; and between “12/31/2021 and” and “for the period”)	Match Plaintiffs (Purves Declaration ¶¶ 36, 109, 205)	
Exhibit E3	Page 23, Paragraph 32, Note 7 (between “July 3, 2021” and “of U.S.”; between ““\$0.99 for” and “of U.S.”; between “\$1.99 for” and “of the transactions”; between “\$4.99 for” and “of the transactions”; between “\$9.99 for” and “of the transactions”; between “at ‘99’ for” and “of the transactions”).	Google (Cramer Declaration ¶645)	
Exhibit E3	Page 27, Paragraph 38 (between “fee rates for” and “the top paid”).	Google (Cramer Declaration ¶646)	
Exhibit E3	Page 27, Paragraph 38, Note 13 (between “account for” and “of the total”).	Google (Cramer Declaration ¶647)	
Exhibit E3	Page 28, Table 1 (all figures in rows named “Consumer Spend (\$”).	Google (Cramer Declaration ¶648)	
Exhibit E3	Page 29, Figure 1 (between “Fee Rate of” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶649)	
Exhibit E3	Page 29, Paragraph 39, Note 16	Google (Cramer Declaration	

	(between “account for” and “of the total”).	¶650)	
Exhibit E3	Page 30, Paragraph 39 (between “in this group” and “shows a price”).	Google (Cramer Declaration ¶651)	
Exhibit E3	Page 30, Table 2 (all figures in rows named “Consumer Spend (\$”).	Google (Cramer Declaration ¶652)	
Exhibit E3	Page 31, Figure 2 (between “Fee Rate of” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶653)	
Exhibit E3	Page 31, Paragraph 40 (between “30% to” and end of sentence).	Google (Cramer Declaration ¶654)	
Exhibit E3	Page 31, Paragraph 40, Note 19 (between “account for” and “of the total”; between “apps are games” and “out of 100”; between “such as” and end of sentence).	Google (Cramer Declaration ¶655)	
Exhibit E3	Page 32, Paragraph 40 (between “paid app,” and “which experienced”).	Google (Cramer Declaration ¶656)	
Exhibit E3	Page 33, Table 3 (all figures in rows named “Consumer Spend (\$)” and “Average Service Fee Rate 2021.07.01 - 2022.05.31”).	Google (Cramer Declaration ¶657)	
Exhibit E3	Page 34, Figure 3 (between “Fee Rate of” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶658)	
Exhibit E3	Page 34-35, Paragraph 41 (between “IAP SKU” and “of the app”; between “of the app” and “the top one”).	Google (Cramer Declaration ¶659)	
Exhibit E3	Page 34-35, Paragraph 41, Note 23 (between “account for” and	Google (Cramer Declaration ¶660)	

		“of the total consumer”).		
Exhibit E3	Page 36, Table 4 (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶661)		
Exhibit E3	Page 37, Figure 4 (between “IAP SKU” and “of the App”; between “of the App” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶662)		
Exhibit E3	Page 37-38, Paragraph 42 (between “with the app” and “remains the same”).	Google (Cramer Declaration ¶663)		
Exhibit E3	Page 37, Paragraph 42, Note 25 (between “account for” and “of the total”).	Google (Cramer Declaration ¶664)		
Exhibit E3	Page 38, Table 5 (all figures in row named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶665)		
Exhibit E3	Page 39, Figure 5 (between “IAP SKU” and “of the App”; between “of the App” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶666)		
Exhibit E3	Page 40, Paragraph 43 (between “top IAP,” and “associated with the”; between “game app” and “had no change”).	Google (Cramer Declaration ¶667); Cognosphere (HoYoverse) (Chen Declaration ¶3)		
Exhibit E3	Page 39, Paragraph 43, Note 28 (between “account for” and “of the total consumer”; between “apps such as” and “and”; between “and” and end of sentence).	Google (Cramer Declaration ¶668)		
Exhibit E3	Page 39, Paragraph 43, Note 28 (Reference to “Genshin Impact”)	Cognosphere (HoYoverse) (Chen		

		Declaration ¶3)	
Exhibit E3	Page 40, Table 6 (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶669)	
Exhibit E3	Page 41, Figure 6 (between “IAP SKU” and “of the App”; between “of the App” and end of sentence; between “product_id =” and end of sentence).	Google (Cramer Declaration ¶670); Cognosphere (HoYoverse) (Chen Declaration ¶3)	
Exhibit E3	Page 42, Paragraph 45 (between “account for only” and “of the total consumer”).	Google (Cramer Declaration ¶671)	
Exhibit E3	Page 42, Paragraph 45, Note 36 (between “May 2022 is” and “close to that”; between “subscription SKUs” and “as shown in”).	Google (Cramer Declaration ¶672)	
Exhibit E3	Page 43, Table 7 (all figures in rows named “Consumer Spend (\$)” and “Consumer Spend (%)”).	Google (Cramer Declaration ¶673)	
Exhibit E3	Page 43, Table 7; page 43, paragraph 46 (between “subscriptions either” and “before and”)	Match Plaintiffs (Purves Declaration ¶¶ 38, 111, 207)	
Exhibit E3	Page 44, Paragraph 46, Note 37 (between “was only” and “per SKU”; between “compared to” and “for the existing”).	Google (Cramer Declaration ¶674)	
Exhibit E3	Page 44, footnote 37 (between “Tinder launched” and “new subscription”; between “subscription SKUs,” and end of sentence; and between “to May 2021,” and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 39, 112, 208)	
Exhibit E3	Page 46, Table 8 ((all figures in rows named “Pass-Through Rate” and “Pass-Through Rate (Upper Bound)” and “Total	Google (Cramer Declaration ¶675)	

	Consumer Spend (8/16/16-5/31/22”).		
Exhibit E3	Page 56, Paragraph 66 (between “paid app” and “offers two apps”).	Google (Cramer Declaration ¶676)	
Exhibit E3	Page 57, Paragraph 66, Note 68 (between “The app” and “also offers IAPs”; between “another paid app” and “in the music”).	Google (Cramer Declaration ¶677)	
Exhibit E3	Page 73, Paragraph 90 (between “decrease from” and “in 2017”; between “2017 to” and “in 2021”).	Google (Cramer Declaration ¶678)	
Exhibit E3	Page 73, Paragraph 90, Note 106 (between “accounted for” and “of all putative”; between “accounted for” and “of consumer spend”).	Google (Cramer Declaration ¶679)	
Exhibit E3	Page 77, Paragraph 95 (between “it was below” and “during the period”).	Google (Cramer Declaration ¶680)	
Exhibit E3	Page 79, Paragraph 96, Note 119 (between “Singer argues that” and “Singer Report”).	Google (Cramer Declaration ¶681)	
Exhibit E3	Page 87, Paragraph 105 (between “as zero to” and “assuming a pass-through”).	Google (Cramer Declaration ¶682)	
Exhibit E3	Page 88, Figure 13 (entire chart).	Google (Cramer Declaration ¶683)	
Exhibit E3	Page 90-91, Paragraph 110 (between “devices to be” and “and then assumed”; between “the amount of” and “of consumer spend”; “difference between” and “and the actual”; between “subsidy of” and “applied to Google”; between “estimate is” and “larger than”).	Google (Cramer Declaration ¶684)	

Exhibit E3	Page 90-91, para. 110	Amazon (Morrill Declaration)	
Exhibit E3	Page 93, Paragraph 112 (between “documents show” and “Further, Dr. Singer”; between “much smaller (” and “of the market”).	Google (Cramer Declaration ¶685)	
Exhibit E3	Page 93, para. 112	Amazon (Morrill Declaration)	
Exhibit E3	Page 93, Paragraph 112, Note 153 (between “Amazon documents.” and end of parenthetical).	Google (Cramer Declaration ¶686)	
Exhibit E3	Page 93, fn 153	Amazon (Morrill Declaration)	
Exhibit E3	Page 94, Paragraph 114 (between “calculates the” and “as percentage”; between “devices are about” and “between 2018”; between “total sales above” and “between 2018”; between “devices -” and “for FireTVs”; between “FireTVs and” and “for tablets”).	Google (Cramer Declaration ¶687)	
Exhibit E3	Page 94, para. 114	Amazon (Morrill Declaration)	
Exhibit E3	Page 100, Paragraph 128 (between “for about” and “of total revenues”; between “app revenue” and “Therefore,”; between “PSB’s” and “Even if one take’s”; between “marginal costs, the” and “percent figure”).	Google (Cramer Declaration ¶688)	
Exhibit E3	Page 103, Paragraph 132 (between “LittleHoots” and end of the sentence).	Google (Cramer Declaration ¶689)	
Exhibit E3	Page 107, Figure 14 (entire	Google (Cramer Declaration	

	chart).	¶690)	
Exhibit E3	Page 107, Figure 15 (entire chart).	Google (Cramer Declaration ¶691)	
Exhibit E3	Page 108, Figure 16 (entire chart).	Google (Cramer Declaration ¶692)	
Exhibit E3	Page 108, Figure 17 (entire chart).	Google (Cramer Declaration ¶693)	
Exhibit E3	Page 109, Paragraph 143 (between “the game app” and “priced at \$1.99”; between “the game app” and “priced at \$5.99”; between “the game app” and “priced at \$7.49”).	Google (Cramer Declaration ¶694)	
Exhibit E3	Page 110, Figure 19 (entire chart).	Google (Cramer Declaration ¶695)	
Exhibit E3	Page 111, Figure 20 (entire chart).	Google (Cramer Declaration ¶696)	
Exhibit E3	Page 111, Paragraph 144 (between “total time spent on” and “in September”; between “exceed” and “hours, while”; between “on the app” and “(a game app for kids”).	Google (Cramer Declaration ¶697)	
Exhibit E3	Page 112, Figure 21 (entire figure).	Google (Cramer Declaration ¶698)	
Exhibit E3	Page 112, Figure 22 (entire figure).	Google (Cramer Declaration ¶699)	
Exhibit E3	Page 123, Paragraph 155 (between “leads to about” and “for consumers”).	Google (Cramer Declaration ¶700)	
Exhibit E3	Page 124, Figure 23 (entire chart).	Google (Cramer Declaration ¶701)	



Exhibit E3	Page 132, Paragraph 164, Note 224 (between “Dr. Rysman” and “See Google,”; between “at 558.R” and “Google, “Exploring”; between “529.R-530.R.” and end of sentence).	Google (Cramer Declaration ¶702)	
Exhibit E3	Page 141, Paragraph 178 (between “structure, i.e.” and “on average based”).	Google (Cramer Declaration ¶703)	
Exhibit E3	Page 144, Paragraph 185 (between “damages would be” and “if Google’s current”; between “which amount to” and end of sentence).	Google (Cramer Declaration ¶704)	
Exhibit E3	Page 145, Table 11 (all figures in row named “Consumer Damages from Overcharge”)	Google (Cramer Declaration ¶705)	
Exhibit E3	Page 146, Paragraph 187 (between “accounts for” and “of total consumer”).	Google (Cramer Declaration ¶706)	
Exhibit E3	Page 147, Paragraph 188 (between “accounts for” and “of total consumer”; between “consumers account for” and “of total consumer”).	Google (Cramer Declaration ¶707)	
Exhibit E3	Page 147, Paragraph 189 (between “the U.S., i.e.,” and “on average based”)	Google (Cramer Declaration ¶708)	
Exhibit E3	Page 147, Paragraph 190 (between “2021, approximately” and “have been”; between “and approximately” and “of points issued”; between “damages downward by” and “Even after this”; between “implying that the” and “is a lower”).	Google (Cramer Declaration ¶709)	
Exhibit E3	Page 148, Paragraph 191 (between “amounts to be” and “on average”).	Google (Cramer Declaration ¶710)	

Exhibit E3	Page 148, Table 12 (all figures in rows named “Consumer Damages from Play Points” and “Consumer Damages from Non-Points Google Discounts” and “Combined”)	Google (Cramer Declaration ¶711)	
Exhibit E3	Page 148, Paragraph 192, Note 270 (between “only up to” and “of U.S. consumers”).	Google (Cramer Declaration ¶712)	
Exhibit E3	Page 150, Table 13 (only figures in columns named “Profits-Based Restitution” and “Revenue-Based Restitution” and between rows named “Actual Play Points %” and “But-for Google Discount %”; between “Apps & Games Revenue” and end).	Google (Cramer Declaration ¶713)	
Exhibit E3	Page 151, Table 14 (only figures in columns named “Profits-Based Restitution” and “Revenue-Based Restitution” and between rows named “Actual Play Points %” and end).	Google (Cramer Declaration ¶714)	
Exhibit E3	Page 154, Table 15 (all figures in columns named “Calculation 1 (ONE Store-Based But-for Market Share)” and “Calculation 2 (But-for Market Share Same as Actual)”).	Google (Cramer Declaration ¶715)	
Exhibit E3	Page 155, Paragraph 198 (between “rate to be” and “and the but”; between “rate to be” and end of sentence).	Google (Cramer Declaration ¶716)	
Exhibit E3	Page 156, Table 16 (only figures in columns named “Calculation 1 (ONE Store-Based But-for Market Share)” and “Calculation 2 (But-for Market Share Same as Actual)” and rows named “Actual Play Points %” and	Google (Cramer Declaration ¶717)	

	"But-for Play Points %" and "Actual Google Discount %" and "But-for Google Discount %" and "Consumer Spend" and "Reduction in App & Games Revenue" and between "Actual Google Play Apps & Game Reven" and end).		
Exhibit E3	Page 158, Paragraph 202 (between "OkCupid's damages of" and "and"; between "and" and "respectively, for total"; between "damages of" and "Using an"; between "OkCupid's damages of" and "and"; between "and" and "respectively, for"; between "total damages of" and "Under Dr. Schwartz's").	Google (Cramer Declaration ¶718)	
Exhibit E3	Page 159, Paragraph 202 (between "damages of" and "and"; between "and" and "respectively, for total"; between "total damages of" and "Using the alternative"; between "OkCupid's damages of" and "and"; between "and" and "respectively, for total"; between "total damages of" and "I note that"; between "damages amount to" and "for Dr. Schwartz's Base"; between "Base Case and" and "for Dr. Schwartz's alternative").	Google (Cramer Declaration ¶719)	
Exhibit E3	Page 159, footnote 295 (between "Tinder of" and "to; and between "to" and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 40, 113, 209)	
Exhibit E3	Page 160, Paragraph 205 (between "and Operations," and "that Dr. Schwarz"; between "states that" and "and that it"; between "that it is" and "Thus, even if"; between "and not just"	Google (Cramer Declaration ¶720)	

	and “Dr. Schwartz ignores”).		
Exhibit E3	Page 161, Paragraph 206 (between “+ Insights,” and “In Google’s August”; between “damages calculation,” and “Furthermore, although”).	Google (Cramer Declaration ¶¶721)	
Exhibit E3	Pages 162–163, paragraph 207 (between “Board Member of MGI,” and end of sentence; and between “IAP system because” and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 41, 114, 210)	
Exhibit E3	Page 166, Paragraph 213 (between “the project was” and “Furthermore, the results”; between “Model were used for” and “Based on a”; between “initial purpose was” and “Over time there”; between “of the model” and “Google has also”).	Google (Cramer Declaration ¶¶722)	
Exhibit E3	Page 167, Paragraph 214 (between “to be used” and “Additionally, what I”; between “presentation titled” and “also addresses”; between “Play Value Model” and end of sentence).	Google (Cramer Declaration ¶¶723)	
Exhibit E3	Page 167, Paragraph 215 (between “Estimate of” and “that was specifically”). T	Google (Cramer Declaration ¶¶724)	
Exhibit E3	Page 168, Paragraph 215 (between “Estimate of” and “for the Q1”; between “Estimates of” and “and”; between “and” and “Furthermore, Sarah”; between “Google was” and “Additionally”; between “Additionally” and end of sentence).	Google (Cramer Declaration ¶¶725)	
Exhibit E3	Pages 167–168, paragraph 215 (between “of” and “that was specifically used”; between “of” and “.317Just”; and between “of” and “.318 Furthermore”)	Match Plaintiffs (Purves Declaration ¶¶ 42, 115, 211)	

Exhibit E3	Page 169, Paragraph 218 (between “Play Value Estimate” and “that we do”; between “and care about” and end of paragraph).	Google (Cramer Declaration ¶726)	
Exhibit E3	Page 170, Paragraph 218 (between “the slide titled” and “The notes corresponding”, and between “indicate” and end of sentence).	Google (Cramer Declaration ¶727)	
Exhibit E3	Page 170, Paragraph 219 (between “provided to developers” and end of sentence).	Google (Cramer Declaration ¶728)	
Exhibit E3	Page 170-171, Paragraph 220 (between “2021 addresses” and “According to Google” and between “According to Google” and end of sentence)	Google (Cramer Declaration ¶729)	
Exhibit E3	Page 171, Paragraph 220, Note 325 (between “caveat that state” and “GOOG-PLAY-011023692”).	Google (Cramer Declaration ¶730)	
Exhibit E3	Page 172-173, Paragraph 222 (in the first sub-bullet, between “relies on the” and “in this model”; between “Play Value of” and “of”; between “of” and “Alternative CPI”; between “provides an” and “that generates”; between “generates a” and end of sentence; between “Alternative CPI Valuation #2:” and end of sentence; between “Alternative LTV Valuation #1:” and end of sentence).	Google (Cramer Declaration ¶731)	
Exhibit E3	Page 172 paragraph 222, under the bullet point beginning “Dr. Schwartz relies” (between “Tinder Play Value of” and “of”; between “of” and “of”; and between “of” and “.331”); page	Match Plaintiffs (Purves Declaration ¶¶ 43, 116, 212)	

	172, paragraph 222, under the bullet point beginning “Alternative” (between “Tinder Play Value of” and “of”; between “of” and “of”; between “of” and “, and”; and between “of” and “.332”); page 172 footnote 331 (between “Play Value of” and “of”; between “of” and “, and”; and between “of” and “. GOOG”)		
Exhibit E3	Page 173, paragraph 222, under the bullet point beginning “Alternative CPI Valuation #2” (between “Tinder Play Value of” and “, Tinder Discovery”; between “Discovery Value of” and “, Tinder”; between “of” and “, and Tinder”; and between “Value of” and end of sentence); page 173, paragraph 222, under the bullet point beginning “Alternative LTV Valuation #1” (between “Tinder Play Value of” and “, Tinder”; between “Value of” and “, Tinder”; between “Value of” and “, Tinder”; and between “Value of” and end of sentence); page 173, paragraph 223 (between “of” and “to an”)	Match Plaintiffs (Purves Declaration ¶¶ 44, 117, 213)	
Exhibit E3	Page 172, Paragraph 222, Note 331 (between “also generates a” and “GOOG-PLAY-011274244”).	Google (Cramer Declaration ¶732)	
Exhibit E3	Page 173, Paragraph 223 (between “uses the initial” and “in the Tinder”; between “adjusts the” and “I understand that”; between “I understand that” and “Furthermore, according”; between “to Google” and “In contrast”; between “the initial” and “in the Tinder”; between “identified as a” and end of sentence).	Google (Cramer Declaration ¶733)	
Exhibit E3	Page 173, Paragraph 223, note 335 (between “¶ 459” and	Google (Cramer Declaration	

	“GOOG-PLAY-004625919”).	¶734)	
Exhibit E3	Page 173, Paragraph 224 (between “model from” and “and to ignore”; between “ignore other” and “versions of Tinder”; between “calculation of” and “and, ultimately, damages”).	Google (Cramer Declaration ¶735)	
Exhibit E3	Page 175, Paragraph 225 (between “account for” and “in revenue”; between “revenue and” and “transactions in”).	Google (Cramer Declaration ¶736)	
Exhibit E3	Page 175, paragraph 225 (between “data account for” and “in revenue”; and between “revenue and” and “transactions in”); page 175, paragraph 226 (between “with the” and “Tinder”)	Match Plaintiffs (Purves Declaration ¶¶ 45, 118, 214)	
Exhibit E3	Page 175-176, Paragraph 226 (between “Schwartz’s” and “Adjustment”; between “begins with the” and “presented in”; between “based on the” and “Specifically, he”; between “adjustment to the” and “Then he subtracts”; between “figure the” and “This figure is”; between “with the Tinder” and “and then performs”).	Google (Cramer Declaration ¶737)	
Exhibit E3	Page 176, paragraph 226 (between the start of the page and “to this figure”; between “Play Value of” and “and Tinder”; between “Play Value of” and “presented in the Play”; between “Play Value Model (“ and “).”; between “he applies the” and “adjustment”; between “adjustment to the” and “Tinder”; between “Play Value of” and “. Then he”; between “figure the” and “Tinder”; between “Value and” and “Tinder Delivery Value”; between “Discovery Value of”	Match Plaintiffs (Purves Declaration ¶¶ 46, 119, 215)	



	and “for the period from”; between “Dividing” and “by”; between “by” and “Google Play Tinder Installs”; between “per Install of” and “. This figure”; and between “with the Tinder” and “figure and then”); page 176, paragraph 227 (between “Play Value of” and “presented in”; between “to calculate his” and “adjustment”; and between “using the” and “adjustment”)		
Exhibit E3	Page 176, Paragraph 227 (between “corresponding to the” and “and”; between “and” and “presented in the”; between “his 55.1%” and “adjustment”; between “the 55.1%” and “adjustment based”; between “more accurate” and “adjustment at the”).	Google (Cramer Declaration ¶738)	
Exhibit E3	Page 177, Paragraph 228 (between “more accurate” and “adjustment as follows”; between “adjustment as follows:” and “Applying the more”; between “more accurate” and “adjustment of”; between “to the” and “from the Tinder”; between “an estimated” and “versus”; between “versus” and “based on”; between “Dividing” and “by”; between “by” and “Google Play”; between “results in” and “versus”; between “versus” and “based on”).	Google (Cramer Declaration ¶739)	
Exhibit E3	Page 177, paragraph 228, under the first bullet (between "Value =" and end of line); page 177, paragraph 228, under the second bullet (between "Value =" and end of line); page 177, paragraph 228, under the third bullet (between "Value Adjustment =" and end of line); page 177, paragraph 228 (between “adjustment of” and “to the	Match Plaintiffs (Purves Declaration ¶¶ 47, 120, 216)	



	Tinder”; between “Value of” and “from the”; between “Value of” and “(versus”; between “(versus” and “based on”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “Install of” and “(versus”; and between “(versus” and “based on”); page 177, paragraph 229 (between “Install of” and “with the”; and between “with the” and “calculated above”)		
Exhibit E3	Page 177, Paragraph 229 (between “Baseline Tinder” and “with the”; between “with the” and “calculated above”).	Google (Cramer Declaration ¶740)	
Exhibit E3	Page 178, Table 17 (between “Dr. Schwartz’s” and “Adjustment”; all figures in rows named “Tinder” and “OkCupid” and “Total Damages”).	Google (Cramer Declaration ¶741)	
Exhibit E3	Page 178, Table 17; and page 178, paragraph 231 (between “Value of” and “presented”; between “adjusted” and “figure.”); between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “per Install of” and “(versus”; and between “(versus” and “based on Dr. Schwartz’s calculation.”); and page 178, paragraph 232 (between “per Install of” and “with”)	Match Plaintiffs (Purves Declaration ¶¶ 48, 121, 217)	
Exhibit E3	Page 178, Paragraph 230 (between “Dr. Schwartz’s” and “As discussed above”; between “view the” and “Play Value Model”; between “Schwartz adjusting the” and “in the Tinder”; between “Estimate to an” and end of sentence).	Google (Cramer Declaration ¶742)	
Exhibit E3	Page 178, Paragraph 231 (between “Dr. Schwartz’s” and	Google (Cramer Declaration ¶743)	

	“and, alternatively”; between “the Tinder” and “of”; between “of” and “presented in the”; between “Schwartz’s adjusted” and “figure”; between “Dividing” and “by”; between “by” and “Google Play”; between “results in a” and “versus”; between “versus” and “based on Dr.”).		
Exhibit E3	Page 179, Paragraph 232 (between “Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”; between “Baseline OkCupid” and “which he calculates”; between “Baseline Tinder” and “with a more”; between “I use the” and “presented in the”; between “this figure by” and “during the”; between “calculate a” and “versus”; between “versus” and “based on”).	Google (Cramer Declaration ¶744)	
Exhibit E3	Page 179, paragraph 232 (between “the” and “calculated above.”; between “per Install of” and “, which he calculates”; between “per Install of” and “, with a more”; between “use the” and “OkCupid”; between “this figure by” and “Google Play OkCupid”; between “per Install of” and “(versus”; and between “(versus” and “based on”); and page 179, Table 18	Match Plaintiffs (Purves Declaration ¶¶ 49, 122, 218)	
Exhibit E3	Page 179, Table 18 (between “Schwartz’s” and “Adjustment”; all figures in rows named “OkCupid” and “Tinder” and “Total Damages”).	Google (Cramer Declaration ¶745)	
Exhibit E3	Page 179, Paragraph 233 (between “Ignores Other” and “Play Value Models”; between “there is an” and “Play Value	Google (Cramer Declaration ¶746)	

	Model”; between “a Tinder” and “of”; between “of” and “and an estimated”; between “OkCupid” and “of”; between “of” and “I refer to”; between “the Alternative” and “Valuation”).		
Exhibit E3	Page 180, paragraph 233 (between “Value of” and “and an estimated”; between “Value of” and “.348 I”); page 180, paragraph 234 (between “adjustment of” and “to the”; between “Value of” and “generates”; between “Value of” and “(versus”); between “(versus” and “based on”; between “dividing” and “by”; between “by” and “Google Play Tinder”; between “per Install of” and “(versus”); and between “(versus” and “based on Dr. Schwartz’s calculation.)”); and page 180, paragraph 235 (between “per Install of” and “with the”; and between “with the” and “calculated above.”)	Match Plaintiffs (Purves Declaration ¶¶ 50, 123, 219)	
Exhibit E3	Page 180, Paragraph 234 (between “more accurate” and “adjustment of”; between “the Tinder” and “of”; between “of” and “million generates”; between “estimated Tinder” and “of”; between “of” and “versus”; between “versus” and “based on”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “results in a” and “of”; between “of” and “versus”; between “versus” and “based on Dr. Schwartz’s”).	Google (Cramer Declaration ¶747)	
Exhibit E3	Page 180, Paragraph 235 (between “replacing Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”).	Google (Cramer Declaration ¶748)	

Exhibit E3	Page 181, Table 19 (between “Damages Alternative” and “Valuation”; between “Dr. Schwartz’s” and “Adjustment”; all figures in rows named “Tinder” and “OkCupid” and “Total Damages”).	Google (Cramer Declaration ¶749)	
Exhibit E3	Page 181, Table 19; page 181, paragraph 236 (between “Value of” and “and OkCupid”; between “Value of” and “but do not apply”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “per Install of” and “(versus”; between “(versus” and “based on”; between “Dividing” and “by”; between “by” and “Google Play OkCupid”; between “per Install of” and “(versus”; and between “(versus” and “based on Dr. Schwartz’s calculation.)”); and page 181, paragraph 237 (between “per Install of” and “with the”; between “with the” and “calculated above”; between “per Install of” and “with the”; and between “with the” and “calculated above.”)	Match Plaintiffs (Purves Declaration ¶¶ 51, 124, 220)	
Exhibit E3	Page 181, Paragraph 236 (between “the Tinder” and “of”; between “of” and “and OkCupid”; between “and OkCupid” and “of”; between “of” and “but do not”; between “Dr. Schwartz’s” and “adjustment.”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “results in a” and “versus”; between “versus” and “based on”; between “Dividing” and “by 4.4 million”; between “results in a” and “versus”; between “versus” and “based on”).	Google (Cramer Declaration ¶750)	

Exhibit E3	Page 181, Paragraph 237 (between “Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”; between “replacing Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”).	Google (Cramer Declaration ¶751)	
Exhibit E3	Page 182, Table 20 (between “Alternative” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; all figures in rows named “OkCupid” and “Tinder” and “Total Damages”).	Google (Cramer Declaration ¶752)	
Exhibit E3	Page 182, Paragraph 238 (between “to perform his” and “there is”; between “there is an” and “Play Value”; between “the model, the” and “Play Value”; between “Model provides” and “I refer to”; between “valuation as the” and “Valuation #2”; between “that provide the” and “components of”; between “rely on this” and “version of the”).	Google (Cramer Declaration ¶753)	
Exhibit E3	Page 182, Table 20; and page 182, paragraph 238 (between “Value of” and “.350 I”)	Match Plaintiffs (Purves Declaration ¶¶ 52, 125, 221)	
Exhibit E3	Page 182, Paragraph 238, Note 350 (between “corresponding OkCupid” and “provided in this”).	Google (Cramer Declaration ¶754)	
Exhibit E3	Page 182, Paragraph 239 (between “the Tinder” and “of”; between “of” and “and do not”; between “Dr. Schwartz’s” and “Dividing”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “results in a” and “of”; between “of” and “versus”; between “Value in the” and “Valuation	Google (Cramer Declaration ¶755)	

	#2”; between “Valuation #2 is” and “which is”; between “Model of” and “Therefore, in”; between “calculation of the” and “by dividing”; between “by dividing” and “by”; between “by” and “Google Play Tinder”; between “pre-install figure of” and “versus”; between “versus” and “based on Dr.”).		
Exhibit E3	Page 183, paragraph 239 (between “Value of” and “and do not”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “per Install of” and “(versus”; between “(versus” and “based on”; between “#2 is” and “, which is”; between “Model of” and “. Therefore”; between “by dividing” and “by”; between “by” and “Google Play Tinder”; between “figure of” and “(versus”; and between “(versus” and “based on Dr. Schwartz’s calculation.”)); and page 183, paragraph 240 (between “per Install of” and “with the”; between “with the” and “calculated above”; between “per Install of” and “with the”; and between “with the” and “calculated above.”)	Match Plaintiffs (Purves Declaration ¶¶ 53, 126, 222)	
Exhibit E3	Page 183, Paragraph 240 (between “replacing Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”; between “Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”).	Google (Cramer Declaration ¶756)	
Exhibit E3	Page 184, Table 21 (between “Alternative” and “Valuation #2”; between “Schwartz’s” and “Adjustment”; all figures in rows named “OkCupid” and “Tinder” and “Total Damages”).	Google (Cramer Declaration ¶757)	

Exhibit E3	Page 184, Paragraph 241 (between “perform his” and “adjustment there”; between “also an” and “Play Value Model”; between “the model, the” and “Play Value”; between “provides a Tinder” and “of”; between “of” and “I refer to”; between “valuation as the” and “Valuation #1”; between “provide the” and “components of the”; between “rely on this” and “version of the model”).	Google (Cramer Declaration ¶758)	
Exhibit E3	Page 184, Table 21; page 184, paragraph 241 (between “of” and “.352 I”); and page 184, paragraph 242 (between “Value of” and “, and given”; between “Dividing” and “by”; and between “by” and “Google”)	Match Plaintiffs (Purves Declaration ¶¶ 54, 127, 223)	
Exhibit E3	Page 184-185, Paragraph 242 (between “use the Tinder” and “Value of”; between “Value of” and “and given”; between “begins with an” and “Value there is”; between “apply any” and “adjustment. Dividing”; between “Dividing” and “by”; between “by” and “Google Play Tinder”; between “results in a” and “versus”; between “versus” and “based on Dr.”; between “Value in the” and “Valuation #1”; between “#1 is” and “which is different”; between “Damages Model of” and “Therefore, in”; between “Install by dividing” and “by”; between “by” and “Google Play Tinder”; between “figure of” and “versus”; between “versus” and “based on Dr.”).	Google (Cramer Declaration ¶759)	
Exhibit E3	Page 185, paragraph 242 (between “Value per Install of” and “(versus”; between “(versus”	Match Plaintiffs (Purves Declaration ¶¶	



	and “based on”; between “#1 is” and “, which is”; between “Model of” and “. Therefore,”; between “by dividing” and “by”; between “by” and Google Play Tinder”; between “figure of” and “(versus”); and between “(versus” and “based on Dr. Schwartz’s calculation.)”); page 185, paragraph 243 (between “Install of” and “with the”; between “with the” and “calculated above”; between “per Install of” and “with the”; and between “with the” and “calculated above.”); and page 185, Table 22	55, 128, 224)	
Exhibit E3	Page 185, Paragraph 243 (between “replacing Dr. Schwartz’s” and “with the”; between “with the” and “calculated above”; between “Dr. Schwartz’s” and with the”; between “with the” and “calculated above”).	Google (Cramer Declaration ¶760)	
Exhibit E3	Page 185, Table 22 (between “Alternative” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; all figures in rows named “OkCupid” and “Tinder” and “Total Damages”).	Google (Cramer Declaration ¶761)	
Exhibit E3	Page 188, Table 23 (entire chart).	Google (Cramer Declaration ¶762); Match Plaintiffs (Purves Declaration ¶¶ 56, 129, 225)	
Exhibit E3	Page 188-189, Paragraph 247 (between “states that a” and “But Dr. Schwartz”; between “that acknowledges” and “Therefore, Dr. Schwartz’s”; between “value and the” and end of sentence).	Google (Cramer Declaration ¶763)	
Exhibit E3	Page 189, Paragraph 248 (between “the slide is” and “This	Google (Cramer Declaration	



	reflects the”; between “states the following” and end of sentence).	¶764)	
Exhibit E3	Page 190, Paragraph 249 (between “employee that indicates” and “Dr. Schwartz”; between “statement that follows” and end of sentence).	Google (Cramer Declaration ¶765)	
Exhibit E3	Page 190, paragraph 249 (between “that indicates” and end of sentence)	Match Plaintiffs (Purves Declaration ¶¶ 57, 130, 226)	
Exhibit E3	Page 190-91, Paragraph 250 (between “from GPS is” and “However, as discussed”; between “Model quantifies” and end of sentence; between “Marchak states that” and “and that it is”; between “and that it is” and end of sentence).	Google (Cramer Declaration ¶766)	
Exhibit E3	Page 191-192, Paragraph 251 (between “relating to the” and “among other types”; between “As noted above” and “By ignoring evidence”; between “Play Store, implying” and end of sentence).	Google (Cramer Declaration ¶767)	
Exhibit E3	Page 194-95, Paragraph 256 (between “be up to” and end of sentence; between “be up to” and “related to”; between “and up to” and “based on other”).	Google (Cramer Declaration ¶768)	
Exhibit E3	Page 195, Paragraph 258 (between “have paid” and “more in service”; between “12/31/2021 and” and “for the period”).	Google (Cramer Declaration ¶769)	
Exhibit E3	Page 195, paragraph 258 (between “have paid” and “more in”; and between “12/31/2021 and” and “for the period)	Match Plaintiffs (Purves Declaration ¶¶ 58, 131, 227)	
Exhibit E3	Page 218-219, Appendix C, Paragraph 5 (between “July 1,	Google (Cramer Declaration	

	2021” and “of the month”; between “IAPs and” and “of the month”).	¶770)	
Exhibit E3	Page 220, Appendix C, Paragraph 8, Table C.1 (all figures in rows named “Pass- Through Rate” and “Pass- Through Rate (Upper Bound)” and “Total Consumer Spend (8/16/16-5/31/22)”)	Google (Cramer Declaration ¶771)	
Exhibit E3	Page 220, Appendix C, Paragraph 9 (between “bounds are” and “for IAPs,”; between “for IAPs,” and “for paid downloads”; between “downloads, and” and “for subscriptions”).	Google (Cramer Declaration ¶772)	
Exhibit E3	Page 221, Appendix C, Table C.2 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶773)	
Exhibit E3	Page 222, Appendix C, Table C.3 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶774)	
Exhibit E3	Page 222, Appendix C, Table C.4 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶775)	
Exhibit E3	Page 223, Appendix C, Table C.5 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶776)	
Exhibit E3	Page 229, Appendix E, Paragraph 4 (between “7.3%, or” and “lower, than”).	Google (Cramer Declaration ¶777)	
Exhibit E3	Page 247, Exhibit 1a (all figures in rows named “Consumer Spend (\$”).	Google (Cramer Declaration ¶778)	
Exhibit E3	Page 248, Exhibit 1b (all figures in rows named “Consumer Spend (\$”).	Google (Cramer Declaration ¶779)	

Exhibit E3	Page 249, Exhibit 1c (all figures in rows named “Consumer Spend (\$)” and “Average Service Fee Rate 2021.07.01 - 2022.05.31” and “Average Net Price 2021.07.01 - 2022.05.31”).	Google (Cramer Declaration ¶780)	
Exhibit E3	Page 250, Exhibit 2a (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶781)	
Exhibit E3	Page 251, Exhibit 2b (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶782)	
Exhibit E3	Page 252, Exhibit 2c (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶783)	
Exhibit E3	Page 253, Exhibit 3a (all figures in column named “App Package Name”).	Google (Cramer Declaration ¶784)	
Exhibit E3	Exhibit 2, Page 253 (all data in the row for App Package Name “com ati b2bsocial stardust”	Boyd Gaming (Stratford Declaration ¶11)	
Exhibit E3	Page 254, Exhibit 3b (all figures in column named “App Package Name”).	Google (Cramer Declaration ¶785);	
Exhibit E3	Page 254, Exhibit 3b	Mondraw Ltd. (Tyng Yow Declaration)	
Exhibit E3	Exhibit 2, “com.zhiliaoapp.musically” on page 255	TikTok (Reeder Declaration ¶4)	
Exhibit E3	Page 255, Exhibit 3c (all figures in column named “App Package Name”).	Google (Cramer Declaration ¶786)	
Exhibit E3	Page 255, Exhibit 3c	Qingniao (Chiehyan Declaration ¶6)	
Exhibit E3	Page 255, Exhibit 3c	AppLovin and Magic Tavern	

		(Pettigrew Declaration ¶5)	
		EA (Contro Declaration ¶5)	
Exhibit E3	Page 255, Exhibit 3c, rows 11, 24, and 30 of the table	Activision Blizzard (Robinson Declaration)	
Exhibit E3	Page 255, Exhibit 3c, final row of the table	Cognosphere (HoYoverse) (Chen Declaration ¶3)	
Exhibit E3	Page 256, Exhibit 4a (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶787)	
Exhibit E3	Page 256, Exhibit 4a	Match Plaintiffs (Purves Declaration ¶¶ 59, 132, 228)	
Exhibit E3	Page 257, Exhibit 4b (all figures in rows named “Consumer Spend (\$)”).	Google (Cramer Declaration ¶788)	
Exhibit E3	Page 257, Exhibit 4b	Match Plaintiffs (Purves Declaration ¶¶ 60, 133, 229)	
Exhibit E3	Page 258, Exhibit 5 (all figures in row named “Total Consumer Spend (8/16/16-5/31/22)”).	Google (Cramer Declaration ¶789)	
Exhibit E3	Page 266, Exhibit 7f (entire chart).	Google (Cramer Declaration ¶790)	
Exhibit E3	Page 267, Exhibit 8a (all figures in column named “Consumer Class Damages based on Dr. Singer's Model (\$M)”).	Google (Cramer Declaration ¶791)	
Exhibit E3	Page 272, Exhibit 9a (entire chart).	Google (Cramer Declaration ¶792)	
Exhibit E3	Page 273, Exhibit 9b (entire	Google (Cramer	

	chart).	Declaration ¶793)	
Exhibit E3	Page 274, Exhibit 10a (entire chart).	Google (Cramer Declaration ¶794)	
Exhibit E3	Page 275, Exhibit 10b (entire chart).	Google (Cramer Declaration ¶795)	
Exhibit E3	Page 276, Exhibit 11a (entire chart).	Google (Cramer Declaration ¶796)	
Exhibit E3	Page 277, Exhibit 11b (entire chart).	Google (Cramer Declaration ¶797)	
Exhibit E3	Page 278, Exhibit 12 (entire charts).	Google (Cramer Declaration ¶798)	
Exhibit E3	Page 279, Exhibit 13 (entire chart).	Google (Cramer Declaration ¶799)	
Exhibit E3	Page 280, Exhibit 14 (entire chart).	Google (Cramer Declaration ¶800)	
Exhibit E3	Page 281, Exhibit 15a (entire chart).	Google (Cramer Declaration ¶801)	
Exhibit E3	Page 285, Exhibit 18 (all figures in column named “Consumer Damages from Overcharge”).	Google (Cramer Declaration ¶802)	
Exhibit E3	Page 287, Exhibit 19 (all figures in columns named “Consumer Damages from Play Points” and “Consumer Damages from Non-Points Google Discounts” and “Consumer Damages (Combined)”).	Google (Cramer Declaration ¶803)	
Exhibit E3	Page 290, Exhibit 21 (figures in columns named “Profits-Based Restitution” and “Revenue-Based Restitution” in the rows “Actual Google Play Apps &	Google (Cramer Declaration ¶804)	

	Games Revenue”, “Actual Play Points %”, “But-for Play Points %”, “Actual Google Discount %”, “But-for Google Discount %”, and all rows from “But-For Google Play App & Game Revenue” through end of chart).		
Exhibit E3	Page 291, Exhibit 22 (all figures in columns named “Profits-Based Restitution” and “Revenue-Based Restitution” except for the rows “Actual Service Fee Rate” and “But-for Service Fee Rate”).	Google (Cramer Declaration ¶805)	
Exhibit E3	Page 292, Exhibit 23 (all dollar figures in columns named “Calculation 1 (ONE Store-Based But-for Market Share)” and “Calculation 2 (But-for-Market Share Same as Actual)” as well as the rows “Actual Play Points %”, “But-for Play Points %”, “Actual Google Discount %”, and “But-for Google Discount %”, “Percentage Reduction in Per-Unit Spend”, and “Actual Google Play Operating Profit”).	Google (Cramer Declaration ¶806)	
Exhibit E3	Page 293, Exhibit 24 (all dollar figures in columns named “Calculation 1 (ONE Store-Based But-for Market Share)” and “Calculation 2 (But-for-Market Share Same as Actual)” as well as the rows “Actual Play Points %”, “But-for Play Points %”, “Actual Google Discount %”, and “But-for Google Discount %”, and “Actual Google Play Operating Profit”).	Google (Cramer Declaration ¶807)	
Exhibit E3	Page 294, Exhibit 25 (all figures in columns named “Main Damages Period” and	Google (Cramer Declaration ¶808)	

	“Alternative Damages Period” and “1/1/2022-5/20/2022”).		
Exhibit E3	Page 294, Exhibit 25	Match Plaintiffs (Purves Declaration ¶¶ 61, 134, 230)	
Exhibit E3	Page 296, Exhibit 26a (all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶809)	
Exhibit E3	Page 296, Exhibit 26a	Match Plaintiffs (Purves Declaration ¶¶ 62, 135, 231)	
Exhibit E3	Page 297, Exhibit 26b (all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶810)	
Exhibit E3	Page 297, Exhibit 26b	Match Plaintiffs (Purves Declaration ¶¶ 63, 136, 232)	
Exhibit E3	Page 298, Exhibit 26c (entire chart; between beginning of sentence and “[2] The Android Application”; between “downloaded from Play” and “Sources:”).	Google (Cramer Declaration ¶811)	
Exhibit E3	Page 298, Exhibit 26c	Match Plaintiffs (Purves Declaration ¶¶ 64, 137, 233)	

Exhibit E3	Page 299, Exhibit 26d (entire chart and notes).	Google (Cramer Declaration ¶812)	
Exhibit E3	Page 299, Exhibit 26d	Match Plaintiffs (Purves Declaration ¶¶ 65, 138, 234)	
Exhibit E3	Page 300, Exhibit 27a (all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶813)	
Exhibit E3	Page 300, Exhibit 27a	Match Plaintiffs (Purves Declaration ¶¶ 66, 139, 235)	
Exhibit E3	Page 301, Exhibit 27b (between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶814)	
Exhibit E3	Page 301, Exhibit 27b	Match Plaintiffs (Purves Declaration ¶¶ 67, 140, 236)	
Exhibit E3	Page 302, Exhibit 27c (entire chart and notes).	Google (Cramer Declaration ¶815)	
Exhibit E3	Page 302, Exhibit 27c	Match Plaintiffs (Purves Declaration ¶¶ 68, 141, 237)	
Exhibit E3	Page 303, Exhibit 27d (entire	Google (Cramer Declaration	



	chart and notes).	¶816)	
Exhibit E3	Page 303, Exhibit 27d	Match Plaintiffs (Purves Declaration ¶¶ 69, 142, 238)	
Exhibit E3	Page 304, Exhibit 28a (between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶817)	
Exhibit E3	Page 304, Exhibit 28a	Match Plaintiffs (Purves Declaration ¶¶ 70, 143, 239)	
Exhibit E3	Page 305, Exhibit 28b (between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶818)	
Exhibit E3	Page 305, Exhibit 28b	Match Plaintiffs (Purves Declaration ¶¶ 71, 144, 240)	
Exhibit E3	Page 306, Exhibit 28c (between “Dr. Schwartz’s” and “Adjustment”; entire chart; and in Note 2, from “calculated by” to end of sentence”).	Google (Cramer Declaration ¶819)	
Exhibit E3	Page 306, Exhibit 28c	Match Plaintiffs (Purves Declaration ¶¶ 72, 145, 241)	

Exhibit E3	Page 307, Exhibit 28d (between “Dr. Schwartz’s” and “Adjustment”; between “Total In-App Revenue when App was Downloaded from Play” and end of column; all figures in columns named “OkCupid” and “Tinder”).	Google (Cramer Declaration ¶820)	
Exhibit E3	Page 307, Exhibit 28d	Match Plaintiffs (Purves Declaration ¶¶ 73, 146, 242)	
Exhibit E3	Page 308, Exhibit 29a (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶821)	
Exhibit E3	Page 308, Exhibit 29a	Match Plaintiffs (Purves Declaration ¶¶ 74, 147, 243)	
Exhibit E3	Page 309, Exhibit 29b (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶822)	
Exhibit E3	Page 309, Exhibit 29b	Match Plaintiffs (Purves Declaration ¶¶ 75, 148, 244)	
Exhibit E3	Page 310, Exhibit 29c (between	Google (Cramer	

	“Analysis #3:” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; all figures in columns named “Metric” and “OkCupid” and “Tinder”; between “Notes” and “[2] The Android”; between “downloaded from Play” and “Sources:”).	Declaration ¶823)	
Exhibit E3	Page 310, Exhibit 29c	Match Plaintiffs (Purves Declaration ¶¶ 76, 149, 245)	
Exhibit E3	Page 311, Exhibit 29d (between “Analysis #3:” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; all figures in columns named “Metric” and “OkCupid” and “Tinder”).	Google (Cramer Declaration ¶824)	
Exhibit E3	Page 311, Exhibit 29d	Match Plaintiffs (Purves Declaration ¶¶ 77, 150, 246)	
Exhibit E3	Page 312, Exhibit 30a (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶825)	
Exhibit E3	Page 312, Exhibit 30a	Match Plaintiffs (Purves Declaration ¶¶ 78, 151, 247)	
Exhibit E3	Page 313, Exhibit 30b (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from	Google (Cramer Declaration ¶826)	

	Google Play's Billing System", "Play Discovery Value", "But-for Form of Payment Fees", "Play Discovery Value," "Total", and "Total Damages").		
Exhibit E3	Page 313, Exhibit 30b	Match Plaintiffs (Purves Declaration ¶¶ 79, 152, 248)	
Exhibit E3	Page 314, Exhibit 30c (between "Alternative" and "Valuation #1"; between "Schwartz's" and end of sentence; between "Metric" and "(2018 Q1 - 2019 Q1)"; all figures in columns named "OkCupid" and "Tinder"; between "was downloaded from Play" and "Sources:").	Google (Cramer Declaration ¶827)	
Exhibit E3	Page 314, Exhibit 30c	Match Plaintiffs (Purves Declaration ¶¶ 80, 153, 249)	
Exhibit E3	Page 315, Exhibit 30d (between "Alternative" and "Valuation #1"; between "Schwartz's" and end of sentence; between "Total In-App Revenue when App was Downloaded from Play" and end of column; all figures in columns named "OkCupid" and "Tinder").	Google (Cramer Declaration ¶828)	
Exhibit E3	Page 315, Exhibit 30d	Match Plaintiffs (Purves Declaration ¶¶ 81, 154, 250)	
Exhibit E3	Page 316, Exhibit 31a (between "Alternative" and "Valuation #2"; between "Dr. Schwartz" and "Adjustment"; all figures in columns named "Actual Service Fees Incurred from Google Play's Billing System", "Play Discovery Value", "But-for	Google (Cramer Declaration ¶829)	

	Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).		
Exhibit E3	Page 316, Exhibit 31a	Match Plaintiffs (Purves Declaration ¶¶ 82, 155, 251)	
Exhibit E3	Page 317, Exhibit 31b (between “Alternative” and “Valuation #2”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶830)	
Exhibit E3	Page 317, Exhibit 31b	Match Plaintiffs (Purves Declaration ¶¶ 83, 156, 252)	
Exhibit E3	Page 318, Exhibit 31c (between “Alternative” and “Valuation #2”; between “Schwartz’s” and “Adjustment”; between “Metric” and “(2018 Q1 - 2019 Q1)”; all figures in columns named “OkCupid” and “Tinder”; between “was downloaded from Play” and “Sources:”).	Google (Cramer Declaration ¶831)	
Exhibit E3	Page 318, Exhibit 31c	Match Plaintiffs (Purves Declaration ¶¶ 84, 157, 253)	
Exhibit E3	Page 319, Exhibit 31d (between “Alternative” and “Valuation #2”; between “Schwartz’s” and “Adjustment”; between “Total In-App Revenue when App was Downloaded from Play” and “Play Delivery Value”; between “Total Play Value” and “as	Google (Cramer Declaration ¶832)	

	Percent of Total Revenue”; all figures in columns named “OkCupid” and “Tinder”).		
Exhibit E3	Page 319, Exhibit 31d	Match Plaintiffs (Purves Declaration ¶¶ 85, 158, 254)	
Exhibit E3	Page 320, Exhibit 32a (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Actual Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶833)	
Exhibit E3	Page 320, Exhibit 32a	Match Plaintiffs (Purves Declaration ¶¶ 86, 159, 255)	
Exhibit E3	Page 321, Exhibit 32b	Match Plaintiffs (Purves Declaration ¶¶ 87, 160, 256)	
Exhibit E3	Page 321, Exhibit 32b (between “Alternative” and “Valuation #1”; between “Dr. Schwartz” and “Adjustment”; all figures in columns named “Estimated Service Fees Incurred from Google Play’s Billing System”, “Play Discovery Value”, “But-for Form of Payment Fees”, “Play Discovery Value,” “Total”, and “Total Damages”).	Google (Cramer Declaration ¶834)	
Exhibit E3	Page 322, Exhibit 32c (between “Alternative” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; between “Metric” and “(2018 Q1 - 2019 Q1)”; all figures in columns named	Google (Cramer Declaration ¶835)	

	“OkCupid” and “Tinder”; between “was downloaded from Play” and “Sources:”).		
Exhibit E3	Page 322, Exhibit 32c	Match Plaintiffs (Purves Declaration ¶¶ 88, 161, 257)	
Exhibit E3	Page 323, Exhibit 32d (between “Alternative” and “Valuation #1”; between “Schwartz’s” and “Adjustment”; between “was Downloaded from Play” and “Play Delivery Value”; between “Total Play Value” and “Play Delivery Value as Percent of Total Revenue”; all figures in columns named “OkCupid” and “Tinder”).	Google (Cramer Declaration ¶836)	
Exhibit E3	Page 323, Exhibit 32d	Match Plaintiffs (Purves Declaration ¶¶ 89, 162, 258)	
Exhibit E3	Page 324, Exhibit 33a (all figures in columns named “Main Damages Period”, “Alternative Damages Period” and “1/1/2022- 5/20/2022”).	Google (Cramer Declaration ¶837)	
Exhibit E3	Page 324, Exhibit 33a	Match Plaintiffs (Purves Declaration ¶¶ 90, 163, 259)	
Exhibit E3	Page 325, Exhibit 33b (all figures in columns named “Subscriptions,” “In-App Purchases”, and “Total”).	Google (Cramer Declaration ¶838)	
Exhibit E3	Page 325, Exhibit 33b	Match Plaintiffs (Purves Declaration ¶¶ 91, 164, 260)	
Exhibit E3	Page 326, Exhibit 33c (all figures in columns named “Subscriptions,” “In-App	Google (Cramer Declaration ¶839)	

	Purchases”, and “Total”).		
Exhibit E3	Page 326, Exhibit 33c	Match Plaintiffs (Purves Declaration ¶¶ 92, 165, 261)	
Exhibit E3	Page 327, Exhibit 33d	Match Plaintiffs (Purves Declaration ¶¶ 93, 166, 262)	
Exhibit E3	Page 328, Exhibit 33e	Match Plaintiffs (Purves Declaration ¶¶ 94, 167, 263)	
Exhibit E3	Page 329, Exhibit 34a (all figures in columns named “2017” and “2018” and “2019” and “2020” and “2021” and “Total”).	Google (Cramer Declaration ¶840)	
Exhibit E3	Page 329, Exhibit 34a	Match Plaintiffs (Purves Declaration ¶¶ 95, 168, 264)	
Exhibit E3	Page 331, Exhibit 34c (all figures in columns named “Processing Fees” and “Revenue”).	Google (Cramer Declaration ¶841)	
Exhibit E3	Page 331, Exhibit 34c	Match Plaintiffs (Purves Declaration ¶¶ 96, 169, 265)	
Exhibit E3	Page 332, Exhibit 34d (all figures in columns named “Android Revenue Processed through Google Play’s Billing System”; “But-For Form of Payment Rate,” and “But-For Form of Payment Fees”).	Google (Cramer Declaration ¶842)	
Exhibit E3	Page 332, Exhibit 34d	Match Plaintiffs (Purves Declaration ¶¶ 97, 170, 266)	



Exhibit E3	Page 333, Exhibit 34e	Match Plaintiffs (Purves Declaration ¶¶ 98, 171, 267)	
Exhibit E3	Page 334, Exhibit 34f	Match Plaintiffs (Purves Declaration ¶¶ 99, 172, 268)	
Exhibit E3	Page 335, Exhibit 34g (all figures in columns named “Metric” and “Scenario 1” and “Scenario 2” and notes).	Google (Cramer Declaration ¶843)	
Exhibit E3	Page 335, Exhibit 34g	Match Plaintiffs (Purves Declaration ¶¶ 100, 173, 269)	
Exhibit E3	Page 336, Exhibit 34h (all figures in columns named “OkCupid” and “Tinder”).	Google (Cramer Declaration ¶844)	
Exhibit E3	Page 336, Exhibit 34h	Match Plaintiffs (Purves Declaration ¶¶ 101, 174, 270)	
Exhibit E3	Page 337, Exhibit 34i (all figures in columns named “Android Revenue Processed through Google Play’s Billing System”; “But-For Form of Payment Rate,” and “But-For Form of Payment Fees”).	Google (Cramer Declaration ¶845)	
Exhibit E3	Page 337, Exhibit 34i	Match Plaintiffs (Purves Declaration ¶¶ 102, 175, 271)	
Exhibit E3	Page 338, Exhibit C1 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶846)	
Exhibit E3	Page 339, Exhibit C2 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶847)	
Exhibit E3	Page 340, Exhibit C3 (all figures	Google (Cramer	

	in row named “Pass-Through Rate”).	Declaration ¶848)	
Exhibit E3	Page 341, Exhibit C4 (all figures in row named “Pass-Through Rate”).	Google (Cramer Declaration ¶849)	
Exhibit E3	Page 342-442, Exhibit 35a (text following “product_id = “ in the title of each chart on each page).	Google (Cramer Declaration ¶850)	
Exhibit E3	Page 443-543, Exhibit 35b (text following “product_id = “ in the title of each chart on each page).	Google (Cramer Declaration ¶851)	
Exhibit E3	Exhibit 2, Page 683 in its entirety.	Boyd Gaming (Stratford Declaration ¶11)	
Exhibit E3	Page 544-644, Exhibit 35c (text following “product_id = “ in the title of each chart on each page).	Google (Cramer Declaration ¶852); Aniplex (Toyama Declaration)	
Exhibit E3	Exhibit 2, Page 690 in its entirety.	Boyd Gaming (Stratford Declaration ¶11)	
Exhibit E3	Page 645-745, Exhibit 36a (text following “product_id = “ in the title of each chart on each page).	Google (Cramer Declaration ¶853)	
Exhibit E3	Page 746-846, Exhibit 36b (text following “product_id = “ in the title of each chart on each page).	Google (Cramer Declaration ¶854)	
Exhibit E3	Page 796, Exhibit 36b (entire chart)	Mondraw Ltd. (Tyng Yow Declaration)	
Exhibit E3	Page 872, Exhibit 36c (entire chart)	Qingniao (Chiehyuan Declaration ¶6)	
Exhibit E3	Page 847-947, Exhibit 36c (text following “product_id = “ in the title of each chart on each page)	Google (Cramer Declaration ¶855)	
Exhibit E3	Page 849, Exhibit 36c Exhibit 36c (text following “product_id	Cognosphere (HoYoverse)	

	= “ in the title of the chart)	(Chen Declaration ¶3)	
Exhibit E3	Page 892, Exhibit 36c Exhibit 36c (text following “product_id = “ in the title of the chart)	Cognosphere (HoYoverse) (Chen Declaration ¶3)	
Exhibit E3	Page 905, Exhibit 36c	AppLovin and Magic Tavern (Pettigrew Declaration ¶5)	
Exhibit E3	Exhibit 2, Exhibit 36c, graph on page 912	Century Games (Jin Declaration ¶3)	
Exhibit E3	Exhibit 2, Exhibit 36c, graph on page 913	Century Games (Jin Declaration ¶3)	
Exhibit E3	Exhibit 2, Exhibit 36c, graph on page 917	Century Games (Jin Declaration ¶3)	
Exhibit E3	Page 919, Exhibit 36c	AppLovin and Magic Tavern (Pettigrew Declaration ¶5)	
Exhibit E3	Page 926, Exhibit 36c	EA (Contro Declaration ¶6)	
Exhibit E3	Exhibit 37a (all tables from PDF pages 950 to 1049)	Match Plaintiffs (Purves Declaration ¶¶ 103, 176, 272)	
Exhibit E3	Exhibit 37b (all tables from PDF pages 1051 to 1150)	Match Plaintiffs (Purves Declaration ¶¶ 104, 177, 273)	
Exhibit E4	Exhibit 4, Page 162, Line 21 (between “less than” and “of Play Store”).	Google (Cramer Declaration ¶856)	
Exhibit E4	Exhibit 4, Page 167, Line 3 (between “talking about” and “percent savings”), Line 6 (between “credit you between” and “and”; between “and” and	Google (Cramer Declaration ¶857)	

	“percent, I’m going by”), and Line 21 (between “the order of” and “percent”).		
Exhibit E4	Exhibit 4, Page 167, Line 18 (between “subsidy of” and “you see many people”).	Google (Cramer Declaration ¶858)	
Exhibit E4	Exhibit 4, Page 168, Lines 11-12 (between “subsidy from, say” and “to”; between “to” and “right, that is”), and Line 15 (between “who are getting” and “off and you”).	Google (Cramer Declaration ¶859)	
Exhibit E4	Exhibit 4, Page 169, Line 23 (between “paltry” and “you know”).	Google (Cramer Declaration ¶860)	
Exhibit E4	Exhibit 4, Page 173, Line 16 (between “one it gets” and “I mean”).	Google (Cramer Declaration ¶861)	
Exhibit E4	Exhibit 4, Page 178, Line 19 (between “estimates” and “more in damages”), and Lines 21-22 (between “know if it’s” and “but I”).	Google (Cramer Declaration ¶862)	
Exhibit E4	Exhibit 4, Page 178, Line 25 (between “maybe” and “under play Points”; between “up to” and end of sentence).	Google (Cramer Declaration ¶863)	
Exhibit E4	Exhibit 4, Page 179, Line 3 (between “So” and “sounds like a lot”).	Google (Cramer Declaration ¶864)	
Exhibit E4	Exhibit 4, Page 179, Lines 5-6 (between “between say” and “subsidy”; between “to a” and “subsidy”).	Google (Cramer Declaration ¶865)	
Exhibit E4	Exhibit 4, Page 180, Line 4 (between “damages at the” and “that you have”).	Google (Cramer Declaration ¶866)	
Exhibit E4	Exhibit 4, Page 180, Line 12-14	Google (Cramer	

	(between “between the” and “of the Play Points”; between “and” and “which is about”; between “which is about” and “should we”).	Declaration ¶867)	
Exhibit E5	Page 13, Paragraph 21 (between “purchases of just” and “over the time”; between “less than” and “of aggregate purchases”; between “represent approximately” and “percent”).	Google (Cramer Declaration ¶868)	
Exhibit E5	Page 13, Paragraph 20, Note 54 (between “price of” and “may have increased”; between “developer released an” and “See”; between “See” and end of sentence).	Google (Cramer Declaration ¶869)	
Exhibit E5	Page 15, Figure 1 (entire chart).	Google (Cramer Declaration ¶870)	
Exhibit E5	Page 16, Paragraph 28 (between “account for just” and “percent”).	Google (Cramer Declaration ¶871)	
Exhibit E5	Page 16, Figure 2 (entire chart).	Google (Cramer Declaration ¶872)	
Exhibit E5	Page 17, Paragraph 30 (between “account for” and “of consumer expenditure”).	Google (Cramer Declaration ¶873)	
Exhibit E5	Page 17, Paragraph 32 (between “account for” and “of consumer expenditure”).	Google (Cramer Declaration ¶874)	
Exhibit E5	Page 18, Figure 3 (entire chart).	Google (Cramer Declaration ¶875)	
Exhibit E5	Page 19, Paragraph 37 (between “comes to” and “in 2021”; between “was approximately” and end of sentence).	Google (Cramer Declaration ¶876)	

Exhibit E5	Page 20, Figure 4 (entire chart).	Google (Cramer Declaration ¶877)	
Exhibit E5	Page 20, Paragraph 38 (between “approximately” and “percent of aggregate”).	Google (Cramer Declaration ¶878)	
Exhibit E5	Page 20, Paragraph 38, Note 67 (between “approximately” and “I then divided”; between “equal to approximately” and end of sentence).	Google (Cramer Declaration ¶879)	
Exhibit E5	Page 24, Paragraph 51, Note 93 (between “approximately” and “in the actual world”; between “actual world to” and “in the but-for world”).	Google (Cramer Declaration ¶880)	
Exhibit E5	Page 25, Paragraph 54 (between “even today” and “and the Amazon”; between “discounts” and “on Google Android devices”).	Google (Cramer Declaration ¶881)	
Exhibit E5	Page 25, Para. 54	Amazon (Morrill Declaration)	
Exhibit E5	Page 29, paragraph 67 (between “pass-through rate of” and “for the former”; between “former and” and “for the latter”; between “increasing it from” and “to”; and between “to” to “.134”)	Match Plaintiffs (Purves Declaration ¶ 178, 204)	
Exhibit E5	Page 44, Paragraph 110 (between “nearly” and “percent of GMS”; between “nearly” and “percent of new device”).	Google (Cramer Declaration ¶882)	
Exhibit E5	Page 46, Paragraph 118 (between “show that” and “percent of devices”; between “and” and “percent in the United States”).	Google (Cramer Declaration ¶883)	
Exhibit E5	Page 53, Paragraph 143 (between	Google (Cramer	

	“commitment from” and “not to enter”; between “threat of” and “302 Although”; between “Google and” and “did reach”).	Declaration ¶884)	
Exhibit E5	Page 53, Paragraph 143, Note 303 (between “indicating that” and “did “reject[]”; between “would have barred” and “from distributing”; between “certain point did” and “and Google”; between “agreement regarding” and “A Yes.”; between “A Yes.” And “has agreed”; between “Google communicated to” and “that it planned”; between “commitment from” and “not to distribute”; between “conclusion of” and “Alley-Oop trial.”; between “explaining that” and “is “[w]illing to”; between “continue testing” and “see also Rasanen Dep. 204:9-16”).	Google (Cramer Declaration ¶885)	
Exhibit E5	Page 53, Paragraph 144 (between “Google offered ‘Alley-Oop’” and “at significant cost”; between “disincentivize and slow” and “progress”; between “app distribution” and “304 Dr. Gentzkow”; between “dispute that Alley-Oop” and “Nor does”; between “to deter” and “from distributing”).	Google (Cramer Declaration ¶886)	
Exhibit E5	Page 53, Paragraph 144, Note 304 (between “to help” and “remain”; between “avoid” and “performing direct installs”).	Google (Cramer Declaration ¶887)	
Exhibit E5	Page 53, Paragraph 144, Note 305 (between “assessed this” and “GOOG-PLAY-007379918”; between “describing Alley-Oop” and “and hurting [Google’s]”).	Google (Cramer Declaration ¶888)	

Exhibit E5	Page 53-54, Paragraph 145 (between “absent” and “and into Google Play”; between “characterize the pre-Alley-Oop” and “as “cumbersome”; between “experience of using” and “in particular”; between “experiments in” and “in 2016”; between “widespread” and “a process”; between “Google evidently intended Alley-Oop” and end of sentence).	Google (Cramer Declaration ¶889)	
Exhibit E5	Page 54, Paragraph 145, Note 308 (between “users for” and “[T]he question is”; between “how best to structure Alley-Oop” and “to avoid”; between “If we give” and “alley Oop without getting”; between “pause their” and “we aren’t slowing”).	Google (Cramer Declaration ¶890)	
Exhibit E5	Page 54, Paragraph 146 (between “I understand that” and “without	Google (Cramer Declaration ¶891)	



	the user”; between “I understand that” and “raised concerns”).		
Exhibit E5	Page 54, Paragraph 146, Note 309 (between “implementing the Alley-Oop” and “was using copies”).	Google (Cramer Declaration ¶892)	
Exhibit E5	Page 54, Paragraph 146, Note 310 (between “during negotiations” and “complained”; between “Google’s Alley-Oop” and “harmed user experience”; between “introduced” and “See GOOG-PLAY-007380405 at - 413”; between “characterizing” and “feedback on the overlay”; between “include that” and end of sentence).	Google (Cramer Declaration ¶893)	
Exhibit E5	Page 54, Paragraph 147 (between “developers such as” and “from building alternative”; between “distribution mechanisms, Alley-Oop” and “-and it apparently”; between “offered to these” and “312 Google”; between “Google offering Alley-Oop” and “and could only recall”; between “Google signing” and “313 Dr. Gentzkow”; between “third-party apps via Alley-Oop” and end of sentence).	Google (Cramer Declaration ¶894)	
Exhibit E5	Page 54-55, Paragraph 147, Note 314 (between “posed by” and “Gentzkow Report ¶591”; between “installed by” and “were more likely”; between “one occasion that” and “GOOG-PLAY-009261089 at - 091-092.”).	Google (Cramer Declaration ¶895)	
Exhibit E5	Page 55, Paragraph 148 (between “at incentivizing” and “in favor of”; “Google’s and” and “own documents”; “concedes, when”	Google (Cramer Declaration ¶896)	

	and “was launched in 2015”; between “accounted for” and “percent of”; between “words, nearly” and “of the Play”; between “In 2014” and “of all indirect”; between “and approximately” and “percent of all App”; between “confirms that” and “indirect App installs”; between “noted that” and “of the mobile”; between “In 2020” and “estimated that it”; between “it directed” and “through the Play”; between “accounting for” and “percent of Play’s”; between “and \$” and “in consumer spend.”).		
Exhibit E5	Page 55, Paragraph 148, Note 315 (between “accounted for” and “percent”; between “installs and” and “percent”; between “figures are” and “percent”; between “and” and “percent. Id. at -124.R.”).	Google (Cramer Declaration ¶897)	
Exhibit E5	Page 55, Paragraph 148, Note 318 (between “318.” And “_000015465, at 5-6.”).	Google (Cramer Declaration ¶898)	
Exhibit E5	Page 55, Paragraph 149 (between “as early as 2016” and “was using”).	Google (Cramer Declaration ¶899)	
Exhibit E5	Page 56, Figure 6 (between “Figure 6” and end of sentence; entire chart).	Google (Cramer Declaration ¶900)	
Exhibit E5	Page 56, Paragraph 150 (between “incentivize” and “to slow or halt”; between “a firm with” and “resources, experience”; between “To date,” and “has yet to deploy”; between “indicates that” and “is using a version”; between “of Google’s Alley-Oop” and end of the sentence).	Google (Cramer Declaration ¶901)	

Exhibit E5	Page 56, Paragraph 150, Note 319 (between “Gentzkow Report ¶596” and “continues to explore”; between “confirming that” and “currently uses”; between “version of” and “for a percentage”).	Google (Cramer Declaration ¶902)	
Exhibit E5	Page 57, Paragraph 152 (between “accounts for only” and “percent”; between “Galaxy Store is” and “330 Dr. Gentzkow”; between “Galaxy Store is about” and “percent”; between “of these are” and “devices”; between “with the” and “as seen below”; between “Aside from” and “the remaining”).	Google (Cramer Declaration ¶903)	
Exhibit E5	Page 57, Paragraph 152, Note 331 (between “showing, for” and “devices”; between “annual spend of” and “per user”; between “device in the” and “compared with”; between “compared with” and “in the Play Store”).	Google (Cramer Declaration ¶904)	
Exhibit E5	Page 58, Figure 7 (entire chart).	Google (Cramer Declaration ¶905)	
Exhibit E5	Page 58, Paragraph 153 (between “on less than” and “percent of active”; between “that it offers” and “consumer subsidies”; between “(almost” and “percent”); between “offering a” and the end of the sentence.).	Google (Cramer Declaration ¶906)	
Exhibit E5	Page 58, Para. 153	Amazon (Morrill Declaration)	
Exhibit E5	Page 58, Para. 153, n. 338	Amazon (Morrill Declaration)	

Exhibit E5	Page 59, Paragraph 154 (between “demonstrates the” and “penetration”).	Google (Cramer Declaration ¶907)	
Exhibit E5	Page 59, Figure 8 (entire chart).	Google (Cramer Declaration ¶908); Amazon (Morrill Declaration)	
Exhibit E5	Page 59 (Source, between “package names” and “The gray line”; between “devices with” and “At some points”; between “in time the” and “may have included”; between “included the” and “while at others”).	Google (Cramer Declaration ¶909)	
Exhibit E5	Page 59, Para. 155	Amazon (Morrill Declaration)	
Exhibit E5	Page 59, Para. 155, n. 339	Amazon (Morrill Declaration)	
Exhibit E5	Page 60, Paragraph 157 (between “Google talked with” and end of the sentence).	Google (Cramer Declaration ¶910)	
Exhibit E5	Page 60, Para. 157	Amazon (Morrill Declaration)	
Exhibit E5	Page 61, Paragraph 162 (between “occurred via” and “and that”; between “of the” and “of users”; between “acquisition channel” and “use Google Play”).	Google (Cramer Declaration ¶911)	
Exhibit E5	Page 63, Figure 10 (entire chart).	Google (Cramer Declaration ¶912)	
Exhibit E5	Page 63, Paragraph 164, Note 358 (between “Describing” and “as offering”; between “[u]p to” and “that preload Play”; between “Describing RSA as” and “See also GOOG-PLAY-	Google (Cramer Declaration ¶913)	

	004494430.C”; between “Google” and “in exchange for”).		
Exhibit E5	Page 64, Paragraph 165 (between “applied to only” and “percent”; between “about” and “percent”; between “over” and “percent”; between “sometime in” and “indicating”).	Google (Cramer Declaration ¶914)	
Exhibit E5	Page 65, Figure 11 (entire chart; Source, between “GOOG-PLAY-011657424.xlsx.” and end of sentence).	Google (Cramer Declaration ¶915)	
Exhibit E5	Page 65-66, Paragraph 166 (between “these contracts” and “361 Many OEMs”).	Google (Cramer Declaration ¶916)	
Exhibit E5	Page 66, Paragraph 166, Note 363 (between “preloaded on” and “of Android devices”).	Google (Cramer Declaration ¶917)	
Exhibit E5	Page 66, Paragraph 167 (between “same document” and “364 The Executive Summary”; between “fine-tuning” and “to protect Google”; between “describes [o]ffer[ing]” and “...to secure Play”).	Google (Cramer Declaration ¶918)	
Exhibit E5	Page 66, Paragraph 167, Note 366 (between “specifying” and “Play revenue”; between “for” and “for”; between “for” and “Id. at -198”; between “spending the” and “in 2023”; between “in 2023” and “specifying”; between “specifying” and “million in revenue”; between “sharing on” and “comprised of”; between “comprised of” and end of sentence).	Google (Cramer Declaration ¶919)	
Exhibit E5	Page 66, Paragraph 168 (between beginning of sentence and	Google (Cramer Declaration ¶920)	

	“protects against”; between “expected to make” and “370 Google”; between “on the order of” and end of sentence).		
Exhibit E5	Page 66, Paragraph 168, Note 371 (between “between” and “to OEMs”).	Google (Cramer Declaration ¶921)	
Exhibit E5	Page 71, Figure 12 (entire chart).	Google (Cramer Declaration ¶922)	
Exhibit E5	Page 75, Paragraph 192 (between “Play Store’s” and “to”; between “to” and “percent share”).	Google (Cramer Declaration ¶923)	
Exhibit E5	Page 82, Paragraph 208 (between “[o]nly about” and “of all U.S.”).	Google (Cramer Declaration ¶924)	
Exhibit E5	Page 84, Paragraph 211, Note 467 (between “iOS is about” and “for owners”; between “Android is about” and “for lower-priced”).	Google (Cramer Declaration ¶925)	
Exhibit E5	Page 88, Paragraph 224 (between “margin of” and “percent”).	Google (Cramer Declaration ¶926)	
Exhibit E5	Page 88, Paragraph 224, Note 502 (between “Equal to” and “See Singer Merits Report”).	Google (Cramer Declaration ¶927)	
Exhibit E5	Page 88, Paragraph 224, Note 506 (between “marginal costs are” and “Tucker Report”).	Google (Cramer Declaration ¶928)	
Exhibit E5	Page 91, Paragraph 235 (between “subsidy of” and “percent”; between “third-party devices” and “percent”).	Google (Cramer Declaration ¶929)	
Exhibit E5	Exhibit 6, Page 93, Para. 243	Verizon (Zahid Declaration ¶8)	
Exhibit E5	Page 95, Paragraph 251 (between “Play Store’s” and “in operating	Google (Cramer Declaration ¶930)	

	profit”; between “operating profit of” and “with an operating profit”; between “margin of” and “percent”).		
Exhibit E5	Page 95, Paragraph 251, Note 572 (between “will grow to” and “billion”).	Google (Cramer Declaration ¶931)	
Exhibit E5	Page 95, Paragraph 251, Note 573 (between “(excluding ads) of” and “and operating profit”; between “and operating profit” and “for an operating profit”; between “margin of” and “Subtracting”; between “margin for 2021 of” and end of sentence).	Google (Cramer Declaration ¶932)	
Exhibit E5	Page 96, Paragraph 253 (between “that its LTV analyses” and “Dr. Skinner”).	Google (Cramer Declaration ¶933)	
Exhibit E5	Page 105, Appendix Table A1 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶934)	
Exhibit E5	Page 106, Appendix Table A2 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶935)	
Exhibit E5	Page 107, Appendix Table A3 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶936)	

Exhibit E5	Page 108, Appendix Table A4 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶937)	
Exhibit E5	Page 109, Appendix Table A5 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶938)	
Exhibit E5	Page 110, Appendix Table A6 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶939)	
Exhibit E5	Page 111, Appendix Table A7 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶940)	
Exhibit E5	Page 112, Appendix Table A8 (all numbers under column “Total”; all numbers under column “No Price Change”; all numbers under column “Price Increase”; all numbers under column “Price Decrease”).	Google (Cramer Declaration ¶941)	
Exhibit E5	Page 113, Appendix 3 (all numbers under column “(1) OLS”; all numbers under column “(2) IV”).	Google (Cramer Declaration ¶942)	
Exhibit E5	Page 114, Appendix 3 (all numbers under column “(1)	Google (Cramer Declaration ¶943)	



	OLS”; all numbers under column “(2) IV”).		
Exhibit E5	Page 115, Appendix 4 (all numbers under column “(1)”; all numbers under column “(2)”).	Google (Cramer Declaration ¶944)	
Exhibit E5	Page 116, Paragraph 259 (between “developers) is only” and “percent, or just”; between “percent, or just” and “percent after netting”).	Google (Cramer Declaration ¶945)	
Exhibit E5	Page 117, Paragraph 259, Note 591 (between “that Samsung” and “See, e.g., SEA_EPICPRODUCTION_002 243 -2437.”).	Google (Cramer Declaration ¶946)	
Exhibit E5	Page 116, Para. 259	Amazon (Morrill Declaration)	
Exhibit E5	Page 116, Para. 259, n. 588	Amazon (Morrill Declaration)	
Exhibit E5	Exhibit 6, Page 118, Paragraph 264, second sentence from “evidence indicates . . .” to “This indicates that . . .”	Valve (Schenck Declaration ¶5)	
Exhibit E5	Exhibit 6, Page 119, Appendix Table A9, Row, Leonard, Gentzkow, Tucker, Column, Flaw(s) & Limitations(s) from “Steam revenue . . .” to “no evidence that . . .”	Valve (Schenck Declaration ¶5)	
Exhibit E5	Page 119, Appendix Table A9 (between “Steam revenue” and “power”).	Google (Cramer Declaration ¶947)	
Exhibit E5	Page 119, Appendix Table A9	Amazon (Morrill Declaration)	
Exhibit E5	Page 118, Paragraph 264	Google (Cramer	

	(between “drops to” and “percent”; between “and to” and “percent”).	Declaration ¶¶948)	
Exhibit E6	Exhibit 7, Page 125, Line 5 (between “that figure is” and end of sentence).	Google (Cramer Declaration ¶¶949)	
Exhibit E6	Exhibit 7, Page 125, Line 8 (between “will drop to” and “for in-app purchases”).	Google (Cramer Declaration ¶¶950)	
Exhibit E6	Exhibit 7, Page 125, Line 13 (between “purchases is” and end of sentence).	Google (Cramer Declaration ¶¶951)	
Exhibit E6	Exhibit 7, Page 125, Line 18 (between “purchases would be” and “correct”).	Google (Cramer Declaration ¶¶952)	
Exhibit E6	Exhibit 7, Page 125, Lines 19-20 (between “you’re doing the” and “minus”; between “minus” and end of sentence)	Google (Cramer Declaration ¶¶953)	
Exhibit E6	Exhibit 7, Page 126, Line 10 (between “rate of” and “percent”).	Google (Cramer Declaration ¶¶954)	
Exhibit E6	Exhibit 7, Page 126, Line 16 (between “transaction of” and “right”).	Google (Cramer Declaration ¶¶955)	
Exhibit E6	Exhibit 7, Page 126, Line 19 (between “that’s just” and “percent”).	Google (Cramer Declaration ¶¶956)	
Exhibit E6	Exhibit 7, Page 126, Line 22 (between “service fee of” and “right”). T	Google (Cramer Declaration ¶¶957)	
Exhibit E6	Exhibit 7, Page 127, Line 5 (between “Not all of it” and “percent of it”).	Google (Cramer Declaration ¶¶958)	
Exhibit E6	Exhibit 7, Page 127, Line 10 (between “rate of” and “percent”).	Google (Cramer Declaration ¶¶959)	

Exhibit E6	Exhibit 7, Page 164, Lines 24-25 (between “service fee” and “I--I could have employed”).	Google (Cramer Declaration ¶960)	
Exhibit E6	Exhibit 7, Page 186, Line 2 (between “deduction is” and “for in-app purchases”).	Google (Cramer Declaration ¶961)	
Exhibit E6	Exhibit 7, Page 190, Line 10 (between “going to be” and “and that should be”).	Google (Cramer Declaration ¶962)	
Exhibit E6	Exhibit 7, Page 190, Lines 24-25 (between “will drop by” and end of sentence).	Google (Cramer Declaration ¶963)	
Exhibit E6	Exhibit 7, Page 191, Line 1 (between “the difference of” and “sounds right”).	Google (Cramer Declaration ¶964)	
Exhibit E6	Exhibit 7, Page 191, Line 4 (between “equivalent of, like” and end of sentence).	Google (Cramer Declaration ¶965)	
Exhibit E6	Exhibit 7, Page 191, Line 7 (between “marginal cost is” and “right”).	Google (Cramer Declaration ¶966)	
Exhibit E6	Exhibit 7, Page 191, Line 12 (between “does that” and “reflect”).	Google (Cramer Declaration ¶967)	
Exhibit E6	Exhibit 7, Page 192, Line 10 (between “here is at” and “Are we going”).	Google (Cramer Declaration ¶968)	
Exhibit E6	Exhibit 7, Page 192, Line 23 (between “would be” and “according to your formula”).	Google (Cramer Declaration ¶969)	
Exhibit E6	Exhibit 7, Page 192, Line 25 (between “not” and “that you have in”).	Google (Cramer Declaration ¶970)	
Exhibit E6	Exhibit 7, Page 195, Line 10 (between “cost would be” and “cents”).	Google (Cramer Declaration ¶971)	

Exhibit E6	Exhibit 7, Page 195, Line 11 (between “instead of the” and end of sentence).	Google (Cramer Declaration ¶972)	
Exhibit E6	Exhibit 7, Page 195, Line 16 (between “would suggest” and “percentage”).	Google (Cramer Declaration ¶973)	
Exhibit E6	Exhibit 7, Page 195, Lines 18-19 (between “it would be” and end of sentence).	Google (Cramer Declaration ¶974)	
Exhibit E6	Exhibit 7, Page 196, Line 1 (between “less than the” and “that you have”).	Google (Cramer Declaration ¶975)	
Exhibit E6	Exhibit 7, Page 288, Line 3 (between “at” and “percent or whatever”; between “percent or whatever” and “offering that”).	Google (Cramer Declaration ¶976)	
Exhibit E6	Exhibit 7, Page 288, Lines 6-7 (between “here’s a” and “go”).	Google (Cramer Declaration ¶977)	
Exhibit E6	Exhibit 7, Page 288, Line 10 (between “set at” and “percent”).	Google (Cramer Declaration ¶978)	
Exhibit E6	Exhibit 7, Page 288, Lines 12-20 (between “it’s correct that” and “I asked”).	Google (Cramer Declaration ¶979)	
Exhibit E6	Exhibit 7, Page 288, Lines 21-25 (between “question why bother” to end of page).	Google (Cramer Declaration ¶980)	
Exhibit E6	Exhibit 7, Page 289, Lines 1 (entire line).	Google (Cramer Declaration ¶981)	
Exhibit E6	Exhibit 7, Page 289, Line 3 (between “was at” and “percent”).	Google (Cramer Declaration ¶982)	
Exhibit E6	Exhibit 7, Page 289, Line 4 (between “whatever” and “amount”).	Google (Cramer Declaration ¶983)	
Exhibit E6	Exhibit 7, Page 289, Line 5	Google (Cramer	

	(between “you’d get” and “in”).	Declaration ¶984)	
Exhibit E6	Exhibit 7, Page 289, Line 10 (between “instead of a” and “it was”).	Google (Cramer Declaration ¶985)	
Exhibit E6	Exhibit 7, Page 289, Line 11 (between “it was” and “right, and you asked me”).	Google (Cramer Declaration ¶986)	
Exhibit E6	Exhibit 7, Page 289, Lines 15 (between “literally” and “purchase”).	Google (Cramer Declaration ¶987)	
Exhibit E6	Exhibit 7, Page 289, Lines 18-21 (between “that the” and “I can accept”).	Google (Cramer Declaration ¶988)	
Exhibit E6	Exhibit 7, Page 295, Line 2 (between “conceive that” and “that it just”).	Google (Cramer Declaration ¶989)	
Exhibit E6	Exhibit 7, Page 295, Line 12 (between “So that” and “that comes out”).	Google (Cramer Declaration ¶990)	
Exhibit E6	Exhibit 7, Page 295, Line 16 (between “to that” and “or some people”).	Google (Cramer Declaration ¶991)	
Exhibit E6	Exhibit 7, Page 296, Line 14 (between “telling us” and “the way to”).	Google (Cramer Declaration ¶992)	
Exhibit E6	Exhibit 7, Page 296, Line 19 (between “would be” and end of sentence).	Google (Cramer Declaration ¶993)	
Exhibit E6	Exhibit 7, Page 297, Lines 1-2 (between “think that at” and “the economic intuition”).	Google (Cramer Declaration ¶994)	
Exhibit E6	Exhibit 7, Page 297, Lines 16-17 (between “to rise to” and “then it”).	Google (Cramer Declaration ¶995)	
Exhibit E6	Exhibit 7, Page 298, Line 9 (between “trying to give me” and	Google (Cramer Declaration	

	“but, no”).	¶996)	
Exhibit E6	Exhibit 7, Page 298, Line 10 (between “want the” and “I want to spend”).	Google (Cramer Declaration ¶997)	
Exhibit E6	Exhibit 7, Page 298, Lines 18 (between “get” and “back on”).	Google (Cramer Declaration ¶998)	
Exhibit E6	Exhibit 7, Page 298, Line 21 (between “for the” and end of sentence.)	Google (Cramer Declaration ¶999)	
Exhibit E6	Exhibit 7, Page 299, Line 6 (between “goes up to” and “that”).	Google (Cramer Declaration ¶1000)	
Plaintiffs’ Opposition to Google’s Motion to Exclude Opinions Offered by Hal Singer and all relevant exhibits [Dkt. No. 508]			
Exhibit F1	Page 2, Line 19-20 (between “net discounts of” and “in the but”).	Google (Cramer Declaration ¶1001)	
Exhibit F1	Page 2, Line 21-23	Amazon (Morrill Declaration)	
Exhibit F1	Page 4, Line 24-25 (between “analyzed represented “approximately” and “of aggregate purchases”).	Google (Cramer Declaration ¶1002)	
Exhibit F1	Page 5, Line 12-14 (between “less revenue (averaging” and “per year) than those”; between “control group (averaging” and “per year”).	Google (Cramer Declaration ¶1003)	
Exhibit F1	Page 9-10, Line 23-2 (between “price floor; approximately” and “of developers reduced”).	Google (Cramer Declaration ¶1004)	
Exhibit F1	Page 10, Line 15-17 (between “resulted in only” and “of transactions not”).	Google (Cramer Declaration ¶1005)	
Exhibit F1	Page 13, Line 16-18 (between	Google (Cramer	

	“About” and “of consumers have already”; between “Play Points subsidy “is” and “right now”).	Declaration ¶1006)	
Exhibit F1	Page 13, Line 24 (between “spend coverage of” and “percent”; between “Play Points” and “within just one”).	Google (Cramer Declaration ¶1007)	
Exhibit F1	Page 15, Line 19	Amazon (Morrill Declaration)	
Exhibit F2	Exhibit 7	Amazon (Morrill Declaration)	
Exhibit F2	Exhibit 7, Page 167, Line 3 (between “we’re talking about” and “savings”).	Google (Cramer Declaration ¶1010)	
Exhibit F2	Exhibit 7, Page 167, Line 18 (between “of” and “you see many”).	Google (Cramer Declaration ¶1011)	
Exhibit F2	Exhibit 7, Page 167, Line 21-22 (between “in the order of” and “if we –”).	Google (Cramer Declaration ¶1012)	
Exhibit F2	Exhibit 7, Page 168, Line 11-12 (between “subsidy from, say,” and “right, that is”).	Google (Cramer Declaration ¶1013)	
Exhibit F2	Exhibit 7, Page 168, Line 15 (between “who are getting” and “off and you”).	Google (Cramer Declaration ¶1014)	
Exhibit F2	Exhibit 7, Page 169, Line 23 (between “paltry” and “you know, since”).	Google (Cramer Declaration ¶1015)	
Exhibit F2	Exhibit 7, Page 172, Line 17-18 (between “you get into” and “I think that it”).	Google (Cramer Declaration ¶1016)	
Exhibit F2	Exhibit 7, Page 180, Line 3-4 (between “damages at the” and “that you have”).	Google (Cramer Declaration ¶1017)	

Exhibit F2	Exhibit 7, Page 180, Line 5-6 (between “model or the” and “that you have”).	Google (Cramer Declaration ¶1018)	
Exhibit F2	Exhibit 7, Page 180, Line 12 (between “toggle between the” and “of”).	Google (Cramer Declaration ¶1019)	
Exhibit F2	Exhibit 7, Page 180, Line 13 (between “Play Points and” and “which is about”).	Google (Cramer Declaration ¶1020)	
Exhibit F2	Exhibit 7, Page 180, Line 13-14 (between “which is about” and “should we”).	Google (Cramer Declaration ¶1021)	
Exhibit F3	Exhibit 13, Page -874.R (all figures in columns named “Top 10 gaps” and “Dev Country” and “Annual Gap”; text before “-” in each row following “manually map their markets”).	Google (Cramer Declaration ¶1022)	
Exhibit F3	Exhibit 13, Page -876.R (between “on iOS and” and “is 18% of total”; all figures in columns named “Top 10 gaps” and “Dev Country” and “Annual Gap” except rows named “Match.com” and “PlentyOfFish”).	Google (Cramer Declaration ¶1023)	
Exhibit F3	Page ending 876.R (lines beginning “Match.com” and “PlentyOfFish”)	Match Plaintiffs (Purves Declaration ¶ 279)	
Exhibit F3	Page ending 877.R (line beginning “Tinder”)	Match Plaintiffs (Purves Declaration ¶ 280)	
Exhibit F3	Exhibit 13, Page -877.R (all figures in columns named “Top 10 gaps” and “Dev Country” and “Play Spend” and “Annual Gap” except row named “Tinder”).	Google (Cramer Declaration ¶1024)	
Exhibit F3	Exhibit 13, Page -877.R (all	Smule	



	references to “Smule)	(Bradford Declaration ¶3(e))	
Exhibit F3	Exhibit 13, Page -884.R (between “Dominated by” and “Less than 20% buy”; all titles below columns in figure).	Google (Cramer Declaration ¶1025)	
Exhibit F3	Google Slide Deck	Warner (Walker Declaration ¶11)	
Exhibit F4	Exhibit 14, Page 293, Line 24 (between “and purposes, is” and “right now.”).	Google (Cramer Declaration ¶1026)	
Exhibit F4	Exhibit 14, Page 294, Line 5 (between “to around” and “and all of”).	Google (Cramer Declaration ¶1027)	
Exhibit F4	Exhibit 14, Page 294, Line 7-8 (between “know” and “is not real”; between “is not real.” and “actually might make”).	Google (Cramer Declaration ¶1028)	
Exhibit F4	Exhibit 14, Page 294, Line 22 (between “than” and “In fact, Williams”).	Google (Cramer Declaration ¶1029)	
Exhibit F4	Exhibit 14, Page 297, Line 1-2 (between “think that at” and “the economic”).	Google (Cramer Declaration ¶1030)	
Exhibit F4	Exhibit 14, Page 297, Line 16-17 (between “to rise to” and “then it would be”).	Google (Cramer Declaration ¶1031)	
Exhibit F4	Exhibit 14, Page 298, Line 9 (between “to give me” and “but, no,”) and Line 10 (between “want the” and “I want to spend”).	Google (Cramer Declaration ¶1032)	
	Exhibit 14, Page 298, Line 21 (between “hassle for the” and “subsidy”).	Google (Cramer Declaration ¶1033)	
Exhibit F4	Exhibit 14, Page 299, Line 6 (between “it goes up” and	Google (Cramer Declaration	

	“that”).	¶1034)	
Exhibit F5	Exhibit 20, Page -958.R (between “Expecting revenues” and “Play Balance Sheet”; all text below slide).	Google (Cramer Declaration ¶1035)	
Exhibit F5	Exhibit 20, Page -960.R (between “to last forecast.” and “excluding F/X”; all text below “excluding F/X and EC”; all figures in columns named “Outlook” and “Plan” and “FvB” and “FoF”; all text below slide).	Google (Cramer Declaration ¶1036)	
Exhibit F5	Exhibit 20, Page -961.R (entire page).	Google (Cramer Declaration ¶1037)	
Exhibit F5	Exhibit 20, Page -962.R (entire page).	Google (Cramer Declaration ¶1038)	
Exhibit F5	Exhibit 20, Page -963.R (entire page).	Google (Cramer Declaration ¶1039)	
Exhibit F5	Exhibit 20, Page -965.R (all figures in rows named “Global” and “JAPAC” and “NA” and “EMEA” and “LATAM” and “BHN” and “ePay” and “InComm”; all text below “good standing”; between “60+ affected by” and “Escalated the BD”).	Google (Cramer Declaration ¶1040)	
Exhibit F5	Exhibit 20, Page -966.R (between “paid on time.” and “Abandon Property”; all figures in rows named “Global” and “Aging Commerce” and “< 30 Days” and “30-90 Days” and “90 Days +” and “Total”; all text below “Abandon Property Opportunity”).	Google (Cramer Declaration ¶1041)	
Exhibit F5	Exhibit 20, Page -969.R (entire graph; between beginning bullet	Google (Cramer Declaration	

	point and “in Japan consumer”; between “Dec 6) with” and “enrolled members”; between “spend coverage of” and “Revenue uplift”; between “Jan, targeting” and “of revenue uplift”; between “Q4 2018” and “No noticeable”; between “could range from” and “of total points”; between “points within” and “Source.”; between “edit#gid=0” and end of page).	¶1042)	
Exhibit F5	Exhibit 20, Page -976.R (figures in columns named “Android” and “ChromeOS” and “Chrome” and “Play”; all text below slide).	Google (Cramer Declaration ¶1043)	
Exhibit F5	Exhibit 20, Page -977.R (entire chart and text below “4Q P&E P&L: Expected to land ahead of target”).	Google (Cramer Declaration ¶1044)	
Exhibit F5	Exhibit 20, Page -978.R (entire slide; between “Did you know:” and “Tinder - #1”; between “incl. GB, CA, IN)” and “LiveOps -”; between “Spring Deals promotion (“ and end of paragraph).	Google (Cramer Declaration ¶1045)	
Exhibit F5	Exhibit 20, Page -979.R (between “via rewards platform” and “Google Play Points”; between “Enhance developer partnerships” and end of slide)	Google (Cramer Declaration ¶1046)	
Exhibit F5	Exhibit 20, Page -980.R (between “could range from” and “of total points issued”; between “Google forgoes” and “in margin”; between “could range from” and “Similar to monetary”; between “could range from” and “of total points”; between “during the year” and “total points earned”).	Google (Cramer Declaration ¶1047)	

Exhibit F5	Exhibit 20, Page -981.R (all text and charts below “Play Books - Project Platinum”).	Google (Cramer Declaration ¶1048)	
Exhibit F6	Exhibit 1, Page 81, Para. 165, Note 384 (References to “Smule”)	Smule (Bradford Declaration ¶3(e))	
Exhibit F7	Page 49 (between “offers over” and “distinct”; between “uses only” and “of these”; Table 9, the line beginning “Tinder”)	Match Plaintiffs (Purves Declaration ¶ 274)	
Exhibit F7	Page 50, paragraph 127 (between “monthly” and “transactions”; between “number of” and “transactions in”; between “The number of” and “products”; between “never exceeding” and “transactions”; between “to just” and “monthly”)	Match Plaintiffs (Purves Declaration ¶ 275)	
Exhibit F7	Page 51, Figure 4; Page 51, paragraph 128 (between “for the” and “products”; between “at most” and “percent”; and between “such as” end of the line)	Match Plaintiffs (Purves Declaration ¶ 276)	
Exhibit F7	Page 52, Figure 5	Match Plaintiffs (Purves Declaration ¶ 277)	
Exhibit F7	Page 63, Appendix Table A1 (lines beginning “Tinder” and “TOTAL”); Page 63, Appendix Table A2 (lines beginning “Tinder” and “TOTAL”)	Match Plaintiffs (Purves Declaration ¶ 278)	
Exhibit F10	Exhibit 19	Amazon (Morrill Declaration)	
Google’s Reply In Support Of Motion to Exclude Opinions Offered by Hal Singer [Dkt. No. 524]			
Exhibit G1	Page 1, Lines 10 to 11 (between	Google (Cramer	

	“accounting for the” and “% of transactions”).	Declaration ¶1049)	
Exhibit G1	Page 4, Lines 10 to 12 (between “own internal analyses of” and “and”; between “and” and “id., shows”).	Google (Cramer Declaration ¶1050)	
Exhibit G1	Page 5, Lines 20 to 25 (between “July 3, 2021,” and “% of U.S. customers”).	Google (Cramer Declaration ¶1051)	
<b>Google’s Motion to Exclude Opinions Offered by Marc Rysman and all relevant exhibits [Dkt. No. 484]</b>			
Exhibit H1	Page 21, Paragraph 22 (between “of roughly” and “for the period August 16, 2016”; between “find to be approximately” and end of sentence).	Google (Cramer Declaration ¶1052)	
Exhibit H1	Page 39, Paragraph 47, Note 66 (between “GOOG-PLAY-000464354.R-400.R, at 394.R (“” and “of device installs”; between “to sideloading” and “[;] Sharelt (and other”).	Google (Cramer Declaration ¶1053)	
Exhibit H1	Page 43, Paragraph 52 (between “around” and “of apps on active”).	Google (Cramer Declaration ¶1054)	
Exhibit H1	Page 43, Paragraph 52, Note 78 (between “sideloaded app” of” and “over the 2019 and 2020;”).	Google (Cramer Declaration ¶1055)	
Exhibit H1	Page 43-44, Paragraph 53 “account for only” and “of total app revenues”; between “account for approximately” and “and”; between “and” and “respectively.”).	Google (Cramer Declaration ¶1056)	
Exhibit H1	Page 44, Paragraph 53 (between “Google Play Store reached” and end of sentence).	Google (Cramer Declaration ¶1057)	
Exhibit H1	Page 44, Paragraph 53, Note 82	Google (Cramer	

	(between “and paid apps were” and end of sentence).	Declaration ¶1058)	
Exhibit H1	Exhibit 2, Page 62, Para. 75: All text after “the User Choice Billing program, pays Google” up to the period at the end of that sentence; and all text between the parentheses immediately following “See Alzetta (Spotify) Deposition p. 43”.	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13)	
Exhibit H1	Pages 64-65, Paragraph 79 (between ““Strong native distribution (” and “of Play HVUs [high value users]”).	Google (Cramer Declaration ¶1059)	
Exhibit H1	Page 65, Paragraph 80 (between “data demonstrates” and end of sentence; between “earning Play Points” and end of sentence).	Google (Cramer Declaration ¶1060)	
Exhibit H1	Page 66, Paragraph 80, Exhibit 11 (entire chart).	Google (Cramer Declaration ¶1061)	
Exhibit H1	Page 66, Paragraph 81 (between “steadily increased and” and “(see Exhibit 12”).	Google (Cramer Declaration ¶1062)	
Exhibit H1	Page 67, Paragraph 81, Exhibit 12 (entire chart).	Google (Cramer Declaration ¶1063)	
Exhibit H1	Page 67, Paragraph 81, Exhibit 13 (entire chart).	Google (Cramer Declaration ¶1064)	
Exhibit H1	Page 69, Paragraph 84, Exhibit 14 (entire chart; footer between “Source: Google,” and “May 23, 2013”).	Google (Cramer Declaration ¶1065)	
Exhibit H1	Page 77, Paragraph 98, Footnote 222	AT&T (Ezell Declaration ¶26)	
Exhibit H1	Page 77, Paragraph 98, Footnote 223	AT&T (Ezell Declaration ¶27)	

Exhibit H1	Exhibit 2, Page 79, Para. 99	Verizon (Zahid Declaration ¶8)	
Exhibit H1	Page 79, Paragraph 99 (between “For example” and “itself.”)	AT&T (Ezell Declaration ¶28)	
Exhibit H1	Page 79, Paragraph 99, Footnote 230	AT&T (Ezell Declaration ¶29)	
Exhibit H1	Exhibit 2, Page 80, Para. 99, n. 232	Verizon (Zahid Declaration ¶8)	
Exhibit H1	Page 80, Paragraph 100 (between “gross margins increased from” and “in Q4 2012 to”; between “in Q4 2012 to” and “in FY 2013, saving”; between “in FY 2013, saving” and “in revenue sharing payments”)	Google (Cramer Declaration ¶1066)	
Exhibit H1	Page 81, Paragraph 101 (between “any alternative to Google Play:” and “102. The RSA 3.0”)	Google (Cramer Declaration ¶1067)	
Exhibit H1	Page 80-81, Paragraph 101 (between “Premier devices qualify for” and “of Net Ad Revenue”; between “Net Ad Revenue and up to” and “of Net Play Revenue”; between “tier devices,” and end of the sentence).	Google (Cramer Declaration ¶1068)	
Exhibit H1	Page 80, Paragraph 101, Note 236 (between “GOOG-PLAY-000620282-321, at 305 (up to” and “of Net Play Revenue);”, between “(“Google will pay Company” and “of Net Play Transaction Revenue”).	Google (Cramer Declaration ¶1069)	
Exhibit H1	Page 87, Paragraph 107, Exhibit 16 (entire image).	Google (Cramer Declaration ¶1070)	
Exhibit H1	Exhibit 2, Page 87, Para. 107: All information in table relating to Spotify.	Spotify (Declaration of Sandra	

		Alzetta ¶¶ 14-15)	
Exhibit H1	Page 88, Paragraph 108 (between “multi-faceted approach to” and “and inhibit the”; between “and inhibit the” and end of sentence; between “Galaxy Store’s ability to offer” and “and, thus, limit”).	Google (Cramer Declaration ¶1071)	
Exhibit H1	Page 88-89, Paragraph 108, Exhibit 17 (entire image).	Google (Cramer Declaration ¶1072)	
Exhibit H1	Page 90, Paragraph 109 (between “which accounted for approximately” and “of total consumer spend”; between “Google offered developers” and end of paragraph).	Google (Cramer Declaration ¶1073)	
Exhibit H1	Page 91, Paragraph 110 (between “on store,” by” and “As an incentive”; between “revenue share of” and “on Google’s revenue”; between “the Galaxy Store, plus a” and end of sentence).	Google (Cramer Declaration ¶1074)	
Exhibit H1	Page 91, Paragraph 111 (between “in response to” and end of sentence; between “was designed to” and “to determine how to”; between “determine how to” and end of sentence).	Google (Cramer Declaration ¶1075)	
Exhibit H1	Page 109, Paragraph 148, Note 346 (between “apps is only” and “in Japan,”; between “in Japan,” and “in the U.S.”; between “in the U.S.” and “in South Korea”; between “South Korea, and” and “in India”).	Google (Cramer Declaration ¶1076)	
Exhibit H1	Page 110, Paragraph 151 (between “there is about a” and “drop off”).	Google (Cramer Declaration ¶1077)	



Exhibit H1	Page 110, Paragraph 151 (between “fewer [than]” and “of installs in”).	Google (Cramer Declaration ¶1078)	
Exhibit H1	Page 111, Paragraph 152 (between “around” and “of apps”).	Google (Cramer Declaration ¶1079)	
Exhibit H1	Page 111, Paragraph 151, Note 354 (between “Android’s “O” version,” and “of “users who encountered”).	Google (Cramer Declaration ¶1080)	
Exhibit H1	Page 111, Paragraph 152, Note 355 (between “installs was below” and “countries (excluding China),”; between “sideloading was” and “worldwide”).	Google (Cramer Declaration ¶1081)	
Exhibit H1	Page 111, Paragraph 152, Note 356 (between “Note that” and “is calculated as”).	Google (Cramer Declaration ¶1082)	
Exhibit H1	Page 112, Paragraph 152 (between “‘off-Play’ was” and “in India,” between “in India,” and “in South Korea,” between “and only” and “in the United States”).	Google (Cramer Declaration ¶1083)	
Exhibit H1	Page 112, Paragraph 152 (between “was between” and “during 2016 to 2018”).	Google (Cramer Declaration ¶1084)	
Exhibit H1	Page 121, Paragraph 170 (between “with an Android tablet have” and end of sentence).	Google (Cramer Declaration ¶1085)	
Exhibit H1	Page 130, Paragraph 187 (between “is approximately” and “in the US,”; between “in the US,” and “in the UK,”; between “in the UK, and” and “worldwide from”; between “the churn rate is” and “lower for consumers”; between “tablet and becomes” and “for Android”).	Google (Cramer Declaration ¶1086)	

Exhibit H1	Page 139, Paragraph 201 (between “That is why” and “data shows that”; between “data shows that” and “of the time consumers”; between “consumers spent using” and “was with the native”; between “(with just” and “of time spent”).	Google (Cramer Declaration ¶1087)	
Exhibit H1	Page 139, Paragraph 202 (between “Additionally,” and “data shows that during 2020”; between “during 2020, only” and “of monthly active users”; between “while the remaining” and “users accessed”).	Google (Cramer Declaration ¶1088)	
Exhibit H1	Page 144, Paragraph 209 (between “among gamers of” and “one of the most”; between “most popular” and “only”; between “only” and “played the game”; between “decreased to” and “in October 2021”).	Google (Cramer Declaration ¶1089)	
Exhibit H1	Page 144, Paragraph 209, Note 480 (between “See” and end of footnote).	Google (Cramer Declaration ¶1090)	
Exhibit H1	Page 148, Paragraph 217 (between “app downloads was about” and “on web-app access”; between “December 2021, only” and “of the amount spent”).	Google (Cramer Declaration ¶1091)	
Exhibit H1	Page 149, Exhibit 37 (2020 and 2021 portion of bar graph).	Google (Cramer Declaration ¶1092)	
Exhibit H1	Page 152, Paragraph 226 (between “Play Points offered to consumers” and “is the but-for price”).	Google (Cramer Declaration ¶1093)	
Exhibit H1	Page 153, Paragraph 230 (between “for payments was” and “worldwide and”; between “worldwide and” and “in the	Google (Cramer Declaration ¶1094)	

	U.S. in 2014,”.)		
Exhibit H1	Page 153, Exhibit 28 (entire image between “Exhibit 28 and “Sources: Monthly App Review Data.”).	Google (Cramer Declaration ¶1095)	
Exhibit H1	Page 153-154, Paragraph 230 (between “in the U.S. were about” and “in 2021, and in 2017”; between “(CC/PP, DCB, GC)” were” and “of customer spend”).	Google (Cramer Declaration ¶1096)	
Exhibit H1	Page 153, Paragraph 230 (between “Customer support costs at” and “of consumer spend”).	Google (Cramer Declaration ¶1097)	
Exhibit H1	Page 153, Paragraph 230 (between “which Google notes are c.” and “of revenue.”).	Google (Cramer Declaration ¶1098)	
Exhibit H1	Page 153, Paragraph 230, Note 509 (between “range from” and “% to”; between “% to” and “% of customer”; between “which are” and “% of customer”; between “Apps &” and “% for”).	Google (Cramer Declaration ¶1099)	
Exhibit H1	Page 164, Paragraph 246, Note 542 (between “Offered to pay” and “effective at”; between “effective at” and “signaled they could move”; between “signaled they could move to” and end of sentence).	Google (Cramer Declaration ¶1100)	
Exhibit H1	Exhibit 2, Page 164, Para. 246, n.542: All text between the parentheses immediately following “December 2020, GOOG-PLAY-006997722-751, at 723”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 167, Paragraph 252, Note 553 (between “In its discussions	Google (Cramer Declaration	

	with” and “Google has considered”; between “considered allowing” and “without Google Play”).	¶1101)	
Exhibit H1	Page 170, Paragraph 256 (between “between “Google proposed countering with” and “percentage points of its commission”; between “reflecting payment processing and” and “percentage points reflecting”).	Google (Cramer Declaration ¶1102)	
Exhibit H1	Page 171, Paragraph 256, Exhibit 33 (figures in slide in columns under “Spotify” and “Google”, between “How do we frame this to Spotify” and end of bullet points; between “Potential Framing” and “We believe these fees”).	Google (Cramer Declaration ¶1103)	
Exhibit H1	Page 171, Paragraph 257 (between “commission structure by proposing” and “possible from”; between “possible from” and “such as creating”; between “such as creating” and “and proposed”; between “and proposed” and “in the event that”; between “in the event that” and end of sentence).	Google (Cramer Declaration ¶1104)	
Exhibit H1	Page 173-174, Paragraph 261 (between “Billing policies, including” and “to enable changes”; between “by February 2021” and the end of sentence; between “By March 2021,” and “of the non-complaint”).	Google (Cramer Declaration ¶1105)	
Exhibit H1	Page 174, Paragraph 262 (references to “Smule”)	Smule (Bradford Declaration ¶3(a))	
Exhibit H1	Page 179, Paragraph 273	Google (Cramer	

	(between “anywhere from” and the end of sentence).	Declaration ¶1106)	
Exhibit H1	Page 184, Paragraph 283, Exhibit 35 (Entire image beneath “Exhibit 35”).	Google (Cramer Declaration ¶1107)	
Exhibit H1	Page 185, Paragraph 286 (between “across developers was” and “in 2021”).	Google (Cramer Declaration ¶1108)	
Exhibit H1	Page 185, Paragraph 286 (between “I find that by 2021 only” and “of developers”; between “lower than 30%; thus,” and “of developers on average”).	Google (Cramer Declaration ¶1109)	
Exhibit H1	Page 185, Paragraph 287, Exhibit 36 (entire image).	Google (Cramer Declaration ¶1110)	
Exhibit H1	Exhibit 2, Page 187, Para. 289.	Verizon (Zahid Declaration ¶8)	
Exhibit H1	Exhibit 2, Page 187, Para. 289, n. 621.	Verizon (Zahid Declaration ¶8)	
Exhibit H1	Page 188, Paragraph 289, Exhibit 37 (entire image).	Google (Cramer Declaration ¶1111)	
Exhibit H1	Page 187, Paragraph 289, Footnote 621	AT&T (Ezell Declaration ¶30)	
Exhibit H1	Page 188, Paragraph 290, n. 623 (between “explaining that Google saved” and “in cost of sales”; between “from renegotiating” and “+ rev share deals”).	Google (Cramer Declaration ¶1112)	
Exhibit H1	Page 190, Paragraph 295 (between “profit margins had been” and “consistently increasing over”; between “over time and reaching” and “in 2021.”).	Google (Cramer Declaration ¶1113)	

Exhibit H1	Page 191, Paragraph 295, Exhibit 38 (entire exhibit).	Google (Cramer Declaration ¶1114)	
Exhibit H1	Page 191, Paragraph 296 (between “Play Store ads — above” and “between 2018 and 2021”).	Google (Cramer Declaration ¶1115)	
Exhibit H1	Page 192, Paragraph 298 (between “margins are driven by” and end of sentence; between “A&G operating profit margin was” and “percent”; between “operating profit margin was” and “percent.”; between “profits are approximately” and end of sentence).	Google (Cramer Declaration ¶1116)	
Exhibit H1	Page 192, Paragraph 298, Note 630 (between “on Play Store were” and end of sentence; between “Play Store was about” and “percent”; between “percent” and end of sentence; between “for 2019, 2020, and 2021 to be about” and “respectively”).	Google (Cramer Declaration ¶1117)	
Exhibit H1	Page 193, Paragraph 298, Exhibit 39 (entire image below “Google Play Profitability”).	Google (Cramer Declaration ¶1118)	
Exhibit H1	Page 195, Paragraph 303, Exhibit 40 (entire image between “Exhibit 40” and “Notes: 1. Shares are calculated”).	Google (Cramer Declaration ¶1119)	
Exhibit H1	Page 195, Paragraph 304 (between “Pre-Installations:” and end of sentence; between “Google’s” and “installed base”; (between “Play Store on” and “of the Android”).)	Google (Cramer Declaration ¶1120)	
Exhibit H1	Page 196, Paragraph 304 (between “was pre-installed on” and “of Android mobile devices”	Google (Cramer Declaration ¶1121)	

	and between “on less than” and “of Android”.)		
Exhibit H1	Page 196, Paragraph 305 (between “App Store Visits:” and end of first sentence; between “pre-installed on” and “of Android ”; between “achieved at most” and “share of”; between “2019 Google presentation,” and “of monthly”; between “outside of those in China):” and “of monthly”; between “Xiaomi Market, and” and “to Google Play”; between “reflects that” and “of all app store”; between “while only” and “of Android users””; between “visit the Google Play Store” and “each month.”; between “Google finds “the”” and “of all app store”).	Google (Cramer Declaration ¶1122)	
Exhibit H1	Page 196-97, Paragraph 305 (between “averages less than” and “of total monthly”; between “global level and that” and “of users”).	Google (Cramer Declaration ¶1123)	
Exhibit H1	Page 197, Exhibit 41 (all data in row after “% of Android smart mobile devices with the app store pre-installed” and all data in row after “% of monthly app store visits from Android smart mobile devices with the app store pre-installed”).	Google (Cramer Declaration ¶1124)	
Exhibit H1	Page 199, Paragraph 308 (between “User Engagement:” and end of sentence; between “Google presentation,” and “of worldwide”; between “with only” and “of OEM”; between “Galaxy Story and” and “on Xiaomi market”).	Google (Cramer Declaration ¶1125)	

Exhibit H1	Page 199, Exhibit 42 (all percentages).	Google (Cramer Declaration ¶1126)	
Exhibit H1	Page 200, Paragraph 309 (between “around” and “of apps on active”).	Google (Cramer Declaration ¶1127)	
Exhibit H1	Page 205, Exhibit 47 (2020 and 2021 portion of bar graph).	Google (Cramer Declaration ¶1128)	
Exhibit H1	Page 206, Exhibit 48 (bar graph).	Google (Cramer Declaration ¶1129)	
Exhibit H1	Page 210, Paragraph 324 (between “pays key OEMs up to” and “of its Google Play revenue”; between “(in addition to any” and “if the OEMs agree”).	Google (Cramer Declaration ¶1130)	
Exhibit H1	Page 211, Paragraph 325 (between “a revenue share of” and “on Google’s revenue”; between “plus a \$50m/year payment” and end of sentence).	Google (Cramer Declaration ¶1131)	
Exhibit H1	Page 222, Paragraph 349 (between “they are higher than its” and “costs.”; between “lower service fee,” [m]aybe” and “would be more appropriate”).	Google (Cramer Declaration ¶1132)	
Exhibit H1	Page 222, Paragraph 349 (between “after year 1 will cost” and “and “GPB discount”; between “for small developers will cost” and “[.]”).	Google (Cramer Declaration ¶1133)	
Exhibit H1	Page 222, Paragraph 349, Note 719 (between “at 555 (suggesting a” and “fee as opposed to a 30% fee”).	Google (Cramer Declaration ¶1134)	
Exhibit H1	Exhibit 2, Page 223, Para. 350: All text after “Google and Spotify agreed to a” up to	Spotify (Declaration of Sandra	



	the period at the end of that sentence.	Alzetta ¶¶ 12-13)	
Exhibit H1	Exhibit 2, Page 223, Para. 350, n.724: All text other than “GOOG-PLAY-011250116-166, at 120”.	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13)	
Exhibit H1	Page 223, Paragraph 350 (between “Google also offered” and “a”; between “a” and “revenue share,”; between “lower the revenue share to” and end of sentence).	Google (Cramer Declaration ¶1135)	
Exhibit H1	Page 223, Paragraph 350, Note 722 (between “Accelerator Program and met the requirements” and “and that would have been 15 percent).	Google (Cramer Declaration ¶1136)	
Exhibit H1	Page 223, Paragraph 350, Note 723 (between (“Offered” and “rev share per”; between “BD team pitched” and “a”; between “a” and “rev share of”; between “rev share of” and end of sentence).	Google (Cramer Declaration ¶1137)	
Exhibit H1	Page 223, Paragraph 250 (between “Google and” and “agreed to a”; between “agreed to a” and “commission with”; between “commission with” and end of sentence).	Google (Cramer Declaration ¶1138)	
Exhibit H1	Page 223, Paragraph 350, Note 724 (between beginning of paragraph and “-Google Play Better”; between “a per-transaction fee of” and “for the transactions”; between “billing system and” and end of sentence; between “a non-GBP solution,” and “ pays”; between “pays” and	Google (Cramer Declaration ¶1139)	

	“commission”).		
Exhibit H1	Page 223, Paragraph 350, Note 725 (between “Activate GPB globally at” and “(LRAP++), or Option 2.”; between “Activate GPB” and end of sentence; between “reduced rev share, but claim that” and “would not be net positive”; between “(or permanent?) rev share” and “and Google.”; between “GOOG-PLAY-001088669.R-687.R. at 673.R (Match,” and “among others.”; between “George Audi, Google, “Subject: Re:” and “GOOG-PLAY-000259276-279, at 277”; between GOOG-PLAY-000259276-279, at 277”; and “unlike most developers”; between “unlike most developers, views” and end of sentence).	Google (Cramer Declaration ¶1140)	
Exhibit H1	Page 223, Paragraph 350 (between “considered offering” and “a commission as”; between “a commission as” and “has also, more recently,”).	Google (Cramer Declaration ¶1141)	
Exhibit H1	Page 223, Paragraph 350 (between “offered 15% commission” and “to incentivize them to adopt”).	Google (Cramer Declaration ¶1142)	
Exhibit H1	Page 223-224, Paragraph 350 (between “Since 2020, it has offered a” and “commission to certain” and “certain developers of” and “requiring certain steps”; between “Google claims approximately” and “developers have taken advantage”).	Google (Cramer Declaration ¶1143)	
Exhibit H1	Page 224, Paragraph 350, Note 729 (between “service fee for	Google (Cramer Declaration	

	subscriptions” and “in 2021, see Exhibit 67.”).	¶1144)	
Exhibit H1	Page 225, Paragraph 352 (between “transactions or developers (i.e.,” and “of transactions in 2020)”); between “of transactions in 2020) is” and “for the period from January 2015”).	Google (Cramer Declaration ¶1145)	
Exhibit H1	Page 226, Paragraph 354 (between “Play Store totaling” and “million in 2019.”).	Google (Cramer Declaration ¶1146)	
Exhibit E5	Page 226, Para. 354	Amazon (Morrill Declaration)	
Exhibit H1	Page 226, Paragraph 354 (between “app sales in 2019 was” and “which accounts for”; between “which accounts for approximately” and “of its total revenue.”; between “in-app transactions is” and end of sentence).	Google (Cramer Declaration ¶1147)	
Exhibit H1	Page 226, Paragraph 354, Note 738 (between “for the years 2017-2021 is” and “comprising”; between “comprising” and “of its total revenues”; between “same period (totalling” and end of sentence).	Google (Cramer Declaration ¶1148)	
Exhibit H1	Page 227, Paragraph 354 (between “other Android app stores is” and “the Samsung Galaxy”; between “or approximately” and “in 2019”).	Google (Cramer Declaration ¶1149)	
Exhibit H1	Page 227, Paragraph 354-55, bottom of page (between “from the Galaxy Store in 2019 of” and “to”; between “to” and “or an average of”; between “or an average of” and “as a reasonable	Google (Cramer Declaration ¶1150)	

	proxy”).		
Exhibit H1	Page 227, Paragraph 354 (between “calculated as approximately” and “in 2019 using”).	Google (Cramer Declaration ¶1151)	
Exhibit H1	Page 227, Paragraph 354 (between “installs from Samsung Galaxy Store” and “Aptoide”, between “Aptoide” and “and ONE store”; between “ONE store” and end of sentence.)	Google (Cramer Declaration ¶1152)	
Exhibit H1	Page 227, Paragraph 354 (between “gap of about” and “approximates”; between “Samsung” and end of sentence).	Google (Cramer Declaration ¶1153)	
Exhibit H1	Page 227, Paragraph 354 (between “Vivo App Store” and “are”; between “are” and “the global share”; between “Samsung Galaxy Store” and “I also know”).	Google (Cramer Declaration ¶1154)	
Exhibit H1	Page 228, Paragraph 355 (between is “therefore approximately” and “calculated as Google Play”; between “transaction revenues of” and “divided by the”; between “transactions of” and end of sentence; between “a growth rate of” and “for Amazon’s IAP revenues”)	Google (Cramer Declaration ¶1155)	
Exhibit H1	Page 228, Exhibit 52	Amazon (Morrill Declaration)	
Exhibit H1	Page 288, Exhibit 66	Amazon (Morrill Declaration)	
Exhibit H1	Page 228, Paragraph 356 (between “I consider” and “to be a lower”).	Google (Cramer Declaration ¶1156)	

Exhibit H1	Page 226, Paragraph 354 (between “Amazon App store” and “in 2018, to”; between “in 2018, to” and “in 2019,”; between “in 2019,” and “in 2020”).	Google (Cramer Declaration ¶1157)	
Exhibit H1	Page 228, Paragraph 355, Note 745 (between “did not grow as fast as” and “(which is likely),”).	Google (Cramer Declaration ¶1158)	
Exhibit H1	Page 228, Exhibit 52 (all data beneath columns headings 2017, 2018, 2019 2020 and 2021 in both tables).	Google (Cramer Declaration ¶1159)	
Exhibit H1	Page 229, Para. 357 (between “For example,” and “wanted to use its own in-app billing”).	Google (Cramer Declaration ¶1160)	
Exhibit H1	Page 229, Paragraph 357, Note 748 (between “See, Google,” and “Code Yellow Proposal,”; between “GOOG-PLAY-000262353.R-389.R, at 359.R” and “needs to justify the”).	Google (Cramer Declaration ¶1161)	
Exhibit H1	Page 230, Paragraph 361 (between “transactions (approximately” and “from 2018 to 2020),” between “(still averaging” and “in 2021 – see Exhibit 35)”).	Google (Cramer Declaration ¶1162)	
Exhibit H1	Exhibit 2, Page 237, Para. 374, n. 771	Verizon (Zahid Declaration ¶8)	
Exhibit H1	Page 237, Paragraph 374, Footnote 771	AT&T (Ezell Declaration ¶31)	
Exhibit H1	Page 241, Paragraph 385 (between “Google spent” and “on “partner revenue share””; between “projected to spend” and “to drive device penetration,”; between “to drive device penetration, and” and “to	Google (Cramer Declaration ¶1163)	

	drive Google services”; between “to spend a total of” and “in 2020 across Search”; between “increase the total spend to” and “in 2023.”).		
Exhibit H1	Page 243-44, Paragraph 391 (between “RSA 3.0 is” and end of sentence; between “RSA deals” were to” and “including seeking”; between “including seeking” and “in the light of”; between “such as” and end of sentence).	Google (Cramer Declaration ¶1164)	
Exhibit H1	Page 245, Paragraph 393, Note 815 (between “top 16 OEMs received” and “in revenue share”).	Google (Cramer Declaration ¶1165)	
Exhibit H1	Page 245-46, Paragraph 394 (between “RSAs from nearly” and “to”; between “to” and end of sentence; between “RSA 3.0 Premier Tier is” and “in Great Britain”; between “and at least” and “in France,”; between “versions reach between” and “to”; between “to” and “in these countries”; between “2019 around” and “of new Android”.)	Google (Cramer Declaration ¶1166)	
Exhibit H1	Page 246, Exhibit 55 (between “Exhibit 55” and “Source: Google, “Android Commercial Agreements”, including entire slide and caption).	Google (Cramer Declaration ¶1167)	
Exhibit H1	Page 246-47, Paragraph 395 (between “premier tier devices, including” and end of the sentence; between “Further,” and “of devices on Premier exceed”).	Google (Cramer Declaration ¶1168)	
Exhibit H1	Page 250, Exhibit 59 (all company names in Company column; company name in	Google (Cramer Declaration ¶1169)	

	footnote 3).		
Exhibit H1	Page 253-54, Paragraph 404 (between “ per year” and “amounting to”; between “amounting to” and end of sentence)	Google (Cramer Declaration ¶1170)	
Exhibit H1	Page 254, Para. 405 (between “Samsung a revenue share of” and “on Google’s revenue”; between “year payment” and the end of the sentence.)	Google (Cramer Declaration ¶1171)	
Exhibit H1	Page 254, Paragraph 405, Note 834 (between “Samsung interpreted the” and “Banyan proposal”).	Google (Cramer Declaration ¶1172)	
Exhibit H1	Page 256-57, Exhibit 61, Sources 4. (between “Google and” and “‘MADA,’ October”; between “Google and” and “‘MADA,’ August”; between “Google and” and “‘MADA,’ November”; between “Google and” and “‘MADA,’ July”; “Google and” and “‘MADA,’ July”; “Google and” and “‘MADA,’ July”; “Google and” and “‘MADA,’ August”; “Google and” and “‘MADA,’ September”; between “Google and” and “‘MADA,’ October”)	Google (Cramer Declaration ¶1173)	
Exhibit H1	Page 259, Paragraph 412, Note 846 (between “Subject Re:” and “app,” June 06, 2019”).	Google (Cramer Declaration ¶1174)	
Exhibit H1	Page 259, Paragraph 414, Note 851 (between “Google and” and “MADA,” October 1, 2017”; between “Google and” and “MADA,” August 1, 2017,”; between “Google and” and “MADA,” November 1, 2017,”)	Google (Cramer Declaration ¶1175)	

Exhibit H1	Page 261-62, Exhibit 63, Sources 3. (between “see also Email from” and “to Eric”; between “Management at” and “Subject”; between “2020” and “-00142728”).	Google (Cramer Declaration ¶1176)	
Exhibit H1	Page 274, Paragraph 431, Note 883 (between “Android prior to O,” and “of users”; between “meaning that nearly” and “of users”; between “that “fewer [than]” and “of installs in”).	Google (Cramer Declaration ¶1177)	
Exhibit H1	Page 274, Paragraph 432 (between “because only” and “of U.S. users”).	Google (Cramer Declaration ¶1178)	
Exhibit H1	Page 277, Paragraph 435 (between “December 2020,” and “of installed”).	Google (Cramer Declaration ¶1179)	
Exhibit H1	Page 277, Paragraph 436 (between “risk is miniscule’ and” and “of installs from”).	Google (Cramer Declaration ¶1180)	
Exhibit H1	Page 282, Paragraph 445 (between “for approximately” and “of total”; between “Google offered” and end of sentence.)	Google (Cramer Declaration ¶1181)	
Exhibit H1	Page 282, Paragraph 445, Note 927 (between “(noting that the” and “was aimed at ensuring”; between “was aimed at ensuring” and end of sentence).	Google (Cramer Declaration ¶1182)	
Exhibit H1	Page 283, Paragraph 447 (entire paragraph)	Nintendo (Kiel Declaration ¶4); EA Declaration (Contro Declaration ¶6)	
Exhibit H1	Page 283, Paragraph 447 (between “New Titles, including (i)” and “and (ii)”; between “and (ii)” and “will be made available”; between “also require	Google (Cramer Declaration ¶1183)	



	that” and “of games subject to”; between “developer agrees to” and end of sentence).		
Exhibit H1	Page 283-284, Paragraph 447, Note 930 (between “GOOG- PLAY-007273439-444, at § 3.A; see also Google and” and “Google Play Games”; between “GOOG-PLAY-007335447-450, at § 3.A(similar); Google and” and “Google Play Games”; between GOOG-PLAY- 007273267-272, at § 3.A (similar with” and “Google and Electronic Arts,”; between “GOOG-PLAY-010662251-255, at § 3.A (similar with” and “); Google and King,”; between “GOOG-PLAY-007273051-054, at § 3.A (same as Activation Clause); Google and” and “Google Play Games”; between “GOOG-PLAY-007273160-164, at § 3.A (similar); Google and” and “Google Play Games”; between “exceptions from Google); Google and” and “Google Play Games”; between “business models”); Google and” and “Google Play Games”; between “(i.e. outside of China)); Google and” and “Google Play Games”; between “GOOG- PLAY-007273234-238, at § 3.A (similar); Google and” and “Google Play Games”; between “GOOG-PLAY-010661066-069, at § 3.A (similar); Google and” and “Google Play Games”; between “GOOG-PLAY- 007335585-595, at § 3.A (similar); Google and” “Google Play Games”; between “GOOG- PLAY-007847579-583, at § 3.A (similar); Google and” and	Google (Cramer Declaration ¶1184)	

	“Google Play Games”; between “GOOG-PLAY-007335471-475, at § 3.A (similar with” and “Google and”, between “Google and”, and “Google Play Games”; between “GOOG-PLAY-007273404-408, at § 3.A (similar with” and end of sentence.)		
Exhibit H1	Page 284-85, Paragraph 448 (between “offered to the developer” and “a”; between “a” and “to strengthen partnership”; between “on Android” because” and “showed interest”; between “Store of approximately” and end of sentence; between “Google believed that, “[i]f [” and “moves] to [its] own app store.”; between “if other developers “follow [” and “] strategy.”; between “DCB rev-share deal to ensure” and “uses Play”; between “platform for their” and “devices,”).	Google (Cramer Declaration ¶1185)	
Exhibit H1	Page 285, Paragraph 448, Note 934 (between “Assessment of” and “Partnership Opportunities,”).	Google (Cramer Declaration ¶1186)	
Exhibit H1	Page 285, Paragraph 448, Note 935 (between “Confirmed:” and “May 15, 2017,”).	Google (Cramer Declaration ¶1187)	
Exhibit H1	Page 285, Paragraph 449 (between start of sentence and “was planning to build”; between “optimized for” and “games including”; between “games including” and “in an effort”; between “effort to retain” and “high value users”; between “personnel observed,” and “believes that”; between “Google and” and “executed a Games”; between “2019 with” and end of	Google (Cramer Declaration ¶1188)	

	sentence).		
Exhibit H1	Page 285, Paragraph 449, Note 936 (between “Subject: Re:” and “support in”; between “support in” and “April 12, 2017,”).	Google (Cramer Declaration ¶1189)	
Exhibit H1	Page 285, Paragraph 449, Note 937 (between “Subject: Re:” and “support in”; between “support in” and “April 12, 2017,”).	Google (Cramer Declaration ¶1190)	
Exhibit H1	Page 285, Paragraph 449, Note 938 (between “Google and” and “Google Play Games”).	Google (Cramer Declaration ¶1191)	
Exhibit H1	Page 285-86, Para. 450 (between “Google offers” and “to the developer, and developers”; between “to the developer, and developers” and end of sentence).	Google (Cramer Declaration ¶1192)	
Exhibit H1	Page 286, Paragraph 450, Note 940 (between “See also, Google and” and “Apps Velocity Program”; between GOOG-PLAY-009214167-177, at 168-171; Google and” and “Apps Velocity Program”; between GOOG-PLAY-011249830-841, at 832-836; Google and” and “Apps Velocity Program” between “GOOG-PLAY 011249875- 887, at 876-882; and Google and” and “Attachment A Marketing Activity”).	Google (Cramer Declaration ¶1193)	
Exhibit H1	Page 286, Paragraph 450, Note 940 (References to “Smule”)	Smule (Bradford Declaration ¶3(a))	
Exhibit H1	Page 286, Paragraph 450 (between “Developers” and “are developers that”).	Google (Cramer Declaration ¶1194)	
Exhibit H1	Page 286, Paragraph 450	Smule	

	(References to “Smule”)	(Bradford Declaration ¶3(a))	
Exhibit H1	Page 286, Paragraph 450, Note 941 (References to “Smule”)	Smule (Bradford Declaration ¶3(a))	
Exhibit H1	Page 286, Paragraph 450, Note 941 (between “Google and” and “Apps Velocity Program”; between “GOOG-PLAY-009214167-177; Google and” and “Apps Velocity Program”; between GOOG-PLAY 011249830-841; Google and” and “Apps Velocity Program”; between “GOOG-PLAY-011249875-887; and Google and” and “Attachment A Marketing Activity”).	Google (Cramer Declaration ¶1195)	
Exhibit H1	Page 286-87, Paragraph 452 (between “a success, resulting in” and “Play risk mitigation.”).	Google (Cramer Declaration ¶1196)	
Exhibit H1	Page 294-95, Paragraph 468 (between “has offered commissions” and “and”; between “and” and “under various discount programs”).	Google (Cramer Declaration ¶1197)	
Exhibit H1	Page 294, Paragraph 467 (between “estimated its transaction costs to be” and “percent of revenue”).	Google (Cramer Declaration ¶1198)	
Exhibit H1	Page 294, Paragraph 467, Note 981 (between “provides an estimate” and “percent average payment”; between “fee to Google, and” and “percent average payment”; between “Spotify and the associated” and “break-even revenue”; between “developer revenue share from” and “We have previously said”)	Google (Cramer Declaration ¶1199)	

Exhibit H1	Page 295-96, Paragraph 470 (between “has declined from 30% in 2015” and “in the first seven months”).	Google (Cramer Declaration ¶1200)	
Exhibit H1	Page 296, Exhibit 67 (entire graph between x and y axis).	Google (Cramer Declaration ¶1201)	
Exhibit H1	Page 297, Paragraph 471, Note 989 (between “around 2020-2021 listing” and end of sentence; between “brought up in the slide... Q” and “correct? ... THE WITNESS:”; between “THE WITNESS: I see that” and “are highlighted here”; between “Q You understand that by “ and “correct?. THE WITNESS:”; between “presenter was saying that” and end of sentence; between “Product Management at Google, stating that” and end of sentence; between “Google document stating that if a” and end of sentence).	Google (Cramer Declaration ¶1202)	
Exhibit H1	Page 303, Paragraph 483 (between “Japan have reached” and “of developer revenue”).	Google (Cramer Declaration ¶1203)	
Exhibit H1	Page 307, Exhibit 70 (entire graph between x and y axis).	Google (Cramer Declaration ¶1204)	
Exhibit H1	Page 317, Paragraph 508, Note 1047 (between start of sentence to “Deposition, pp. 23-24”; between “Google told” and “that the fee”; between “going to charge” and “for these”; between “transactions was” and “depending on the”).	Google (Cramer Declaration ¶1205)	
Exhibit H1	Page 317, Paragraph 508, Note 1051 (between start of sentence and “Deposition p. 93”; between “from using” and “own method”;	Google (Cramer Declaration ¶1206)	

	between “app cost” and “right?”; between “When we say” and “the analysis is”).		
Exhibit H1	Exhibit 2, Page 319, Para. 512: All text other than the first sentence.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 319, Para. 512, n.1061: All text after GOOG-PLAY-000257629-633, p.2 (noting that” and before “had been one of the main issues for Spotify).”	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 319, Paragraph 512 (between start of the sentence and “Tinder, and Bandcamp are a few”).	Google (Cramer Declaration ¶1207)	
Exhibit H1	Exhibit 2, Pages 319-20, Para. 513: The entire first and second sentences In the third sentence, the year after “Sometime in” and before “Google offered Spotify”; all text between “Google offered Spotify” and “and Spotify’s counteroffer was”; and all text after “and Spotify’s counteroffer was”. In the fourth sentence, all text after “Google offered Spotify”.	Spotify (Declaration of Sandra Alzetta ¶¶ 9-11; 14-15)	
Exhibit H1	Page 319, Paragraph 512, Note 1061 (between “noting that” and “had been one”).	Google (Cramer Declaration ¶1208)	
Exhibit H1	Page 319, Paragraph 513 (between “In 2013” and end of the sentence).	Google (Cramer Declaration ¶1209)	
Exhibit H1	Page 319-20, Paragraph 513 (between “Google offered” and	Google (Cramer Declaration	

	“as low as”; between “as low as” and “and”; between “and” and “counteroffer was”; between “counteroffer was” and end of sentence.”	¶1210)	
Exhibit H1	Page 320, Para. 513 (between “Google offered Spotify a” and “in exchange for Spotify”; between “in exchange for Spotify” and end of sentence).	Google (Cramer Declaration ¶1211)	
Exhibit H1	Page 320, Paragraph 514 (between “on Google Play. For” and end of sentence; between “with billing options in” and end of sentence; between “billing solution has a” and “and offers”; between “and offers” and end of sentence).	Google (Cramer Declaration ¶1212)	
Exhibit H1	Page 320, Paragraph 514, Note 1065 (between start of the sentence and “Deposition, pp. 26-27”; between “to 2022, had” and “ever used”).	Google (Cramer Declaration ¶1213)	
Exhibit H1	Page 320, Paragraph 514, Note 1066 (between start of sentence and “Deposition, pp. 51-52”).	Google (Cramer Declaration ¶1214)	
Exhibit H1	Page 320, Paragraph 514, Note 1067 (between start of sentence and “Deposition, pp. 83-84).	Google (Cramer Declaration ¶1215)	
Exhibit H1	Page 320, Paragraph 515 (between beginning of paragraph and “preferred its own payment”; between “notes that in July,” and end of sentence; between “further notes that” and “needs to justify the”; between “share versus their” and “of payment processing”; between “ payment processing costs ...” and “is] not sure it’s”; between “at par [with” and “own payment processing”).	Google (Cramer Declaration ¶1216)	



Exhibit H1	Page 320, Paragraph 515, Note 1068 (between “Google,” and “Code Yellow Proposal,”).	Google (Cramer Declaration ¶1217)	
Exhibit H1	Page 320, Paragraph 515, Note 1069 (between “Google,” and “Code Yellow Proposal,”).	Google (Cramer Declaration ¶1218)	
Exhibit H1	Page 321, Paragraph 515 (between “Google described” and “status as “[a]ligned”).	Google (Cramer Declaration ¶1219)	
Exhibit H1	Page 321, Paragraph 516 (between “possibility to offer” and “commission to Tinder.”).	Google (Cramer Declaration ¶1220)	
Exhibit H1	Page 327, Paragraph 528 (between “Google’s commission to” and “for developers of”).	Google (Cramer Declaration ¶1221)	
Exhibit H1	Page 327-28, Paragraph 529 (between “create the LRAP++, as” and “was “insufficient for”; between “Thus, the LRAP++ would create an” and “revenue share tier”; between “developers participate in and that” and “has participated in the program”)	Google (Cramer Declaration ¶1222)	
Exhibit H1	Page 328, Paragraph 530 (between “The AVP provides” and “in exchange for”; between “developers reads as” and “where”; between “where” and end of sentence).	Google (Cramer Declaration ¶1223)	
Exhibit H1	Page 328, Paragraph 531 (between “GVP participants as” and “where “Play re-invests”).	Google (Cramer Declaration ¶1224)	
Exhibit H1	Page 328, Paragraph 531, Note 1106 (between GOOG-PLAY-000000807-815, at 808” and “annually in”; between “annually in” and “years”; between “years” and “cumulative”; between “cumulative” and end of sentence).	Google (Cramer Declaration ¶1225)	



Exhibit H1	Page 328-29, Paragraph 531 (between “Tinder,” and “and”; between “and” and “among others”; between “by offering a” and “to “mitigate impact”).	Google (Cramer Declaration ¶1226)	
Exhibit H1	Exhibit 2, Page 329, Para. 532: In the first sentence, the year following “In” and all text after “Google offered Spotify” In the second sentence, all text after “Spotify’s counteroffer was” In the third sentence, all text after “Google offered Spotify”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 329, Paragraph 532 (between “Google offered Spotify as low as” and end of sentence; between beginning of sentence and “counteroffer was a maximum of”; between “counteroffer was a maximum of” and “signaling that “they could”; between “consumers to purchase” and “subscriptions from sources”; between “Google offered” and “a lower commission”; between “Spotify building and maintaining” and end of sentence; between “User Choice Billing pilot with” and “as its initial account.”	Google (Cramer Declaration ¶1227)	
Exhibit H1	Page 329, Paragraph 532, n. 1109 (between “Google” and “- Next Steps”).	Google (Cramer Declaration ¶1228)	
Exhibit H1	Exhibit 2, Pages 330-31, Para. 537: All text after “these service fee rates have been 15%” and before “and a few higher”.	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13)	
Exhibit H1	Page 330-31, Paragraph 537 (between “(though as low as”	Google (Cramer Declaration	

	and “(iii) Google identified 4 programs”).	¶1229)	
Exhibit H1	Page 333-334, Paragraph 544 (between “Furthermore, developers, including” and “and Tinder have voiced”; between beginning of sentence and “and Match have voiced”).	Google (Cramer Declaration ¶1230)	
Exhibit H1	Page 333-334, Paragraph 544 (References to “Smule”)	Smule (Bradford Declaration ¶3(a))	
Exhibit H1	Exhibit 2, Page 334, Para. 546: The word after “various developers (including”.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 334, Paragraph 546 (between “various developers (including” and “and Tinder”).	Google (Cramer Declaration ¶1231)	
Exhibit H1	Page 335, Paragraph 549 (between “Section VIII.B.1, Google offered” and “a lower commission”; between “commission in exchange for” and “building and maintaining”; between “building and maintaining” and end of sentence; between “additional features including” and end of sentence).	Google (Cramer Declaration ¶1232)	
Exhibit H1	Exhibit 2, Page 335, Para. 549: In the first sentence, all text after “As discussed in Section VIII.B.1, Google offered Spotify” The entire second sentence.	Spotify (Declaration of Sandra Alzetta ¶¶ 14-15)	
Exhibit H1	Page 349, Exhibit 71 (between “Elasticity” and end of row).	Google (Cramer Declaration ¶1233)	

Exhibit H1	Page 351, Exhibit 72 (between “Elasticity” and end of row).	Google (Cramer Declaration ¶1234)	
Exhibit H1	Page 351-52, Exhibit 73 (between “Elasticity” and end of row).	Google (Cramer Declaration ¶1235)	
Exhibit H1	Page 352, Para. 583 (between “is higher than” and end of sentence; between “One exception is the” and “sensitivity”; between “elasticity of about” and end of sentence; between “significant at the” and “level”; between “significant at the” and “level.”).	Google (Cramer Declaration ¶1236)	
Exhibit H1	Page 357, Exhibit 74 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1237)	
Exhibit H1	Page 358, Exhibit 75 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1238)	
Exhibit H1	Page 358, Paragraph 597 (between “are approximately” and “to”; between “to” and “for the period August 16, 2016”; between “and roughly” and “to”; between “to” and “for the period August 16, 2016”; between “versions are approximately” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “for the period August 16, 2016”; between “for commission is about” and “percentage points”; between “to consumers is about” and “percentage points”).	Google (Cramer Declaration ¶1239)	
Exhibit H1	Page 358-59, Paragraph 598 (between “are approximately”	Google (Cramer Declaration	

	and “to”; between “to” and “for the period August 16, 2016”; between “May 31, 2022 and” and “to”; between “to” and “for the period August 16, 2016”; between “versions are approximately” and “for the period August 16, 2016”; between “and roughly” and “for the period August 16, 2016”).	¶1240)	
Exhibit H1	Page 359, Paragraph 599 (between “versions are approximately” and “to”; between “to” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “to”; between “to” and “for the period August 16, 2016”; between “versions are approximately” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “for the period August 16, 2016”).	Google (Cramer Declaration ¶1241)	
Exhibit H1	Page 359, Paragraph 602 (between between “are approximately” and “to”; between “to” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “to”; between “to” and “for the period August 16, 2016”; between “versions are approximately” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “for the period August 16, 2016”).	Google (Cramer Declaration ¶1242)	
Exhibit H1	Page 359-60, Paragraph 603 (between “are approximately” and “to”; between “to” and “for the period August 16, 2016”; between “May 31, 2022 and” and “to”; between “to” and “for	Google (Cramer Declaration ¶1243)	

	the period August 16, 2016”; between “versions are approximately” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “for the period August 16, 2016”).		
Exhibit H1	Page 360, Para. 604 (between Between “versions are approximately” and “to”; between “to” and “for the period August 16, 2016”; between “May 31, 2022 and roughly” and “to”; between “to” and “for the period August 16, 2016”; between “versions are approximately” and for the period August 16, 2016” between “May 31, 2022 and roughly” and “for the period August 16, 2016”).	Google (Cramer Declaration ¶1244)	
Exhibit H1	Page 360, Exhibit 76 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1245)	
Exhibit H1	Page 360, Exhibit 77 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1246)	
Exhibit H1	Page 362, Exhibit 78 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1247)	
Exhibit H1	Page 362, Exhibit 79 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1248)	

Exhibit H1	Page 363, Exhibit 80 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1249)	
Exhibit H1	Page 363, Exhibit 81 (all data in row after “Directs Effects on Price”; all data in row after “Variety Effects”; all data in row after “Total Damages”).	Google (Cramer Declaration ¶1250)	
Exhibit H1	Page 364, Para. 611 (between “of roughly” and “for the period August 16, 2016”; between “find to be approximately” and end of sentence).	Google (Cramer Declaration ¶1251)	
Exhibit H1	Page D-1 to D-82, Appendix D (Page D-4, last five columns of row beginning with “Oct. 1, 2019 (ret.) - Sept. 31, 2020 (et seq.) (2.1)”; Pages D-17 to D-18, last five columns of rows beginning with “Nov. 15, 2019 - May 31, 2020” through “March 1, 2021 - May 31, 2021”; Pages D-21 to D-22, last five columns of rows beginning with “July 1, 2017 - June 30, 2019” through “Through Dec. 31, 2020 (renewing)”; Page D-25, last five columns of rows beginning with “Oct. 1, 2018-Sept. 30, 2018” and “Oct. 1, 2020-Sept. 30, 2022”; Pages D-27 to D-29, last five columns of rows beginning with “March 1, 2020-Dec. 31, 2020” through “Sept. 1, 2020”; Page D-36, last five columns of rows beginning with “Through Dec. 31, 2020”; Page D-40, last five columns of rows beginning with “July 1, 2019-June 30, 2020”; Page D-43 to D-44, last five columns of rows beginning with “Nov. 1, 2019 - Nov. 1,	Google (Cramer Declaration ¶1252)	

	2020”; Page D-45, last five columns of rows beginning with “Dec. 16, 2019 - Dec. 31, 2020”; Pages D-79 to D-82, last five columns of all rows).		
Exhibit H1	Exhibit 2, Page E-2: All information in the three rows of the table that relate to Spotify, other than the end note references.	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13; 14-15)	
Exhibit H1	Exhibit 2, Page E-3: All text in endnote 22 after “22. Google,” and before “GOOG-PLAY-011250116-166.”	Spotify (Declaration of Sandra Alzetta ¶¶ 12-13)	
Exhibit H1	Page E-1 to E-3, Appendix E (all text in columns under “Eligibility” and “Terms” for the first twelve rows; all text in the first, second, and fifth columns of the “Individual Offers” table on Page E-2).	Google (Cramer Declaration ¶1253)	
Exhibit H1	Page I-1 to I-24, Appendix I (all data in columns after “State” and “Year” and “Total” in Exhibit I.1 table; all data in columns after “State” and “Year” and “Total” in Exhibit I.2 table; all data in columns after “State” and “Year” and “Total” in Exhibit I.3 table).	Google (Cramer Declaration ¶1254)	
Exhibit H1	Page J-1 to J-35, Appendix J (all data in columns after “State” and “Year” and “Total” in Exhibit J.1 table; all data in columns after “State” and “Year” and “Total” in Exhibit J.2 table; all data in columns after “State” and “Year” and “Total” in Exhibit J.3 table).	Google (Cramer Declaration ¶1255)	
Exhibit H2	Page 16, Paragraph 31 (between “model is about” and “over the”;	Google (Cramer Declaration	

	between “basis is about” and “in 2020”).	¶1256)	
Exhibit H2	Page 19, Paragraph 35 (between “more than” and “and the hypothetical”).	Google (Cramer Declaration ¶1257)	
Exhibit H2	Page 19, Paragraph 36 (between “suggests that” and “is the largest”; between “making up” and “of direct”; between “presumably” and “are only”).	Google (Cramer Declaration ¶1258)	
Exhibit H2	Page 19, Paragraph 36, Note 75 (between “calculation excludes” and “including”; between “cost gives” and end of sentence; between “chargeback as” and “of a dollar”; between “shown is” and “which is”; between “which is” and “of a dollar”; between “it appears” and “may not”).	Google (Cramer Declaration ¶1259)	
Exhibit H2	Page 20, Paragraph 37, Note 77 (between “more than” and “Her prediction”; between “of a” and “price is”).	Google (Cramer Declaration ¶1260)	
Exhibit H2	Page 21, Paragraph 38 (between “by over” and “to about”; between “to about” and “from the”; between “10% is” and “Dr. Tucker’s”; between “by about” and “to”; between “to” and “from August”; between “spend of” and “over August”; between “2022 is” and “of the actual”; between “this is” and “of spend on”; between “decrease by” and “which on an”; between “basis is” and “of spend on”)	Google (Cramer Declaration ¶1261)	
Exhibit H2	Page 23, Paragraph 42 (between “transaction as” and “and using”).	Google (Cramer Declaration ¶1262)	
Exhibit H2	Page 24, Paragraph 42 (between	Google (Cramer Declaration	



	“is about” and “This would mean”; between “expect an” and “in the quantity”).	¶1263)	
Exhibit H2	Page 24, Paragraph 42, Note 87 (between “cost to be” and “by using”; between “store is” and “(see Google,”; between “payments” was” and “in the U.S.,”; between “cost of” and “using the same”).	Google (Cramer Declaration ¶1264)	
Exhibit H2	Page 36, Paragraph 65 (between “found that” and “Taken together”; between “may be” and “less likely”).	Google (Cramer Declaration ¶1265)	
Exhibit H2	Page 36, Paragraph 67 (between “Android had” and “OS adherence”; between “2016, and” and “OS”).	Google (Cramer Declaration ¶1266)	
Exhibit H2	Page 37, Paragraph 67 (between “from about” and “to about”; between “to about” and “In Table 8,”; between “currently” and “or more”; between “iOS was” and “But this”).	Google (Cramer Declaration ¶1267)	
Exhibit H2	Page 49, paragraph 90 (between “Figures 19-21.” and “However, the”; between “18-30,184” and “Even the other”)	Match Plaintiffs (Purves Declaration ¶ 34)	
Exhibit H2	Page 50, paragraph 91 (between “‘swiping right.’187” and “Apps where users gain”); page 50, footnote 188 (within parenthetical)	Match Plaintiffs (Purves Declaration ¶ 35)	
Exhibit H2	Page 50, Paragraph 92 (between “program to” and “Google identified”; between “participants a” and “Google also”).	Google (Cramer Declaration ¶1268)	
Exhibit H2	Page 51, Paragraph 92 (between “took with” and end of	Google (Cramer Declaration	

	sentence).	¶1269)	
Exhibit H2	Page 51, Paragraph 93 (between “consumption-only model” and “found that doing so”; between “result in a” and “estimated that Android signups”; between “signups would be” and “if it went consumption”; between “consumption only” and “estimates that going”; between “result in a” and “in Android users”; between “in Android users.” and “suggested that”; between “As of now, expected” and “given current”; between “optimized flow” and “These estimated losses”).	Google (Cramer Declaration ¶1270)	
Exhibit H2	Exhibit 4, Page 51, Para. 93: All text in the sentence immediately following “would be challenges to shifting to a consumption only model.”	Spotify (Declaration of Sandra Alzetta ¶¶ 9-11)	
Exhibit H2	Exhibit 4, Page 51, Para. 93, n.192: All text between “Spotify,” and “SPOT-GOOGLE-00001105 –109, at 107”, and all text between the parentheses immediately following “SPOT-GOOGLE-00001105 –109, at 107”.	Spotify (Declaration of Sandra Alzetta ¶¶ 9-11)	
Exhibit H2	Page 51, Paragraph 93, Note 192 (between start of sentence and “Google Play Billing”; between “March 2021,” and “-GOOGLE-00001105”; between “anticipate a” and end of sentence)	Google (Cramer Declaration ¶1271)	
Exhibit H2	Page 57, Paragraph 103 (between “proposition (just” and “from January”).	Google (Cramer Declaration ¶1272)	

Exhibit H2	Page 62, Paragraph 110 (between “for between” and “and”; between “and” and “of spend on”).	Google (Cramer Declaration ¶1273)	
Exhibit H2	Page 64, Paragraph 114 (between “of apps,” and “of new apps”).	Google (Cramer Declaration ¶1274)	
Exhibit H2	Page 65, Paragraph 114 (between “About” and “of the apps”; between “make up the” and “are ad supported”).	Google (Cramer Declaration ¶1275)	
Exhibit H2	Page 66, Paragraph 119 (between “choose a” and “with around”; between “with around” and “of apps”; between “apps using” and “during the”).	Google (Cramer Declaration ¶1276)	
Exhibit H2	Page 67, Exhibit 3 (entire chart and notes).	Google (Cramer Declaration ¶1277)	
Exhibit H2	Page 67, Paragraph 120 (between “the table” and “of apps”; between “strategy and” and “of apps starting”).	Google (Cramer Declaration ¶1278)	
Exhibit H2	Page 68, Exhibit 4 (entire chart and notes).	Google (Cramer Declaration ¶1279)	
Exhibit H2	Page 78, Paragraph 139 (between “updates at” and “and explained”; between “services are” and “Developers might”).	Google (Cramer Declaration ¶1280)	
Exhibit H2	Page 78, Paragraph 139, Note 330 (between “that Google” and “to provide”; between “updates is” and “for purposes of”).	Google (Cramer Declaration ¶1281)	
Exhibit H2	Page 82, Paragraph 145 (between “was just” and “of app installs”).	Google (Cramer Declaration ¶1282)	
Exhibit H2	Page 87, Exhibit 5 (entire header, chart, and “Notes” section”; Sources 2 and 3).	Google (Cramer Declaration ¶1283); Amazon	

		(Morrill Declaration)	
Exhibit H2	Page 87-88, Paragraph 153 (between “noted above, the” and “and”; between “and” and the end of the sentence).	Google (Cramer Declaration ¶1284)	
Exhibit H2	Pg 87-88, Para. 153	Amazon (Morrill Declaration)	
Exhibit H2	Page 93, Exhibit 7 (entire chart).	Google (Cramer Declaration ¶1285)	
Exhibit H2	Page 98, Paragraph 171 (between “worth noting” and “(see Section V.G.3)”; between “which include” and “and found both”).	Google (Cramer Declaration ¶1286)	
Exhibit H2	Page 99, Paragraph 173 (between “decreases from” and “to”; between “to” and “after accounting for”).	Google (Cramer Declaration ¶1287)	
Exhibit H2	Page 100, Exhibit 9 (entire chart).	Google (Cramer Declaration ¶1288)	
Exhibit H2	Page 112, Paragraph 199 (between “Store included” and “A March 2019”; between “states that” and “identifies Google’s various”).	Google (Cramer Declaration ¶1289)	
Exhibit H2	Page 114, Paragraph 204, Note 468 (between “provides that” and “GOOG- PLAY-000618885-910, at 895”; between “requirement that” and “during the time”).	Google (Cramer Declaration ¶1290)	
Exhibit H2	Page 117, Paragraph 213 (between “containing provisions” and “on its devices”; between “2011 was” and “which could include”)	Google (Cramer Declaration ¶1291)	

Exhibit H2	Page 121, Paragraph 222 (between “2019 around” and “of new Android”; between “2019 that” and “of new Android activations”).	Google (Cramer Declaration ¶1292)	
Exhibit H2	Page 122, Paragraph 223 (between “that almost” and “out of every”; between “out of every” and “devices sold”).	Google (Cramer Declaration ¶1293)	
Exhibit H2	Page 122, Paragraph 224 (between “Tier is” and “in Great Britain”; between “at least” and “in France”; between “reaching between” and “to”; between “to” and “in these countries”; between “globally increasing” and “[month over”; between “attained” and “of Google’s device”).	Google (Cramer Declaration ¶1294)	
Exhibit H2	Page 123, Exhibit 10 (entire chart; between “Google,” and “February 24”)	Google (Cramer Declaration ¶1295)	
Exhibit H2	Page 124, Paragraph 225, Note 516 (between “MADA include” and “They wanted”; between “They wanted” and “because its”; between “because its” and “and Motorola”; between “and Motorola” and “See Bernheim”; between “stated that Google” and “and that Kilburn”; between “have to” and “See Kolotouros”; between “would have to” and “A: That is”; between “request to” and “See Kolotouros”; between “asked Google to” and “A: I believe”; between “And Google” and “correct?”).	Google (Cramer Declaration ¶1296)	
Exhibit H2	Page 124, Paragraph 226 (between “to only” and “of all active”; between “...and only” and “of all active”; between	Google (Cramer Declaration ¶1297)	

	“expectation that” and end of line”).		
Exhibit H2	Page 125, Paragraph 226 (between “generally be between” and end of sentence).	Google (Cramer Declaration ¶1298)	
Exhibit H2	Page 125, Paragraph 227 (between “Gentzkow’s” and “figure is not”; between “August 2022,” and “of all device activations”; between “China), and” and “in the United”).	Google (Cramer Declaration ¶1299)	
Exhibit H2	Page 125, Paragraph 228 (between “claim that” and “of all device”; between “China), and” and “ in the United”).	Google (Cramer Declaration ¶1300)	
Exhibit H2	Page 126, Paragraph 230 (between “to approximately” and “since April”; between “and over” and “excluding Google”).	Google (Cramer Declaration ¶1301)	
Exhibit H2	Page 126, Paragraph 230, Note 526 (between “was approximately” and “in August”; between “2022 and” and “excluding Google”).	Google (Cramer Declaration ¶1302)	
Exhibit H2	Page 127, Exhibit 11 (entire chart).	Google (Cramer Declaration ¶1303)	
Exhibit H2	Page 127, Paragraph 231 (between “which it expects” and “of devices to”).	Google (Cramer Declaration ¶1304)	
Exhibit H2	Page 128, ¶233	Riot (Nabel Declaration ¶2)	
Exhibit H2	Page 130, Paragraph 239 (between “has grown to” and “by July”)	Google (Cramer Declaration ¶1305)	
Exhibit H2	Page 131, Paragraph 239 ( between “installed on” and “of GMS devices”; between “App Store” and “and LG”; between	Google (Cramer Declaration ¶1306)	

	“Smart World” and “Importantly, this”).		
Exhibit H2	Page 131, Paragraph 240 (between “downloads is” and “leaving just”; between “leaving just” and “for all other”; between “Play Store’s” and “and”; between “and” and “respectively”).	Google (Cramer Declaration ¶1307)	
Exhibit H2	Page 132, Paragraph 241 (between “in 2021” and “used the”; between “i.e., only” and “used a third-party”; between “in 2021” and “of mobile devices”; between “i.e., only” and “used a third-party”; between “decreased from” and “in 2015 to”; between “in 2015 to” and “in 2021”; between “store decreased from” and “in 2015”; between “2015 to” and “in 2021”).	Google (Cramer Declaration ¶1308)	
Exhibit H2	Page 132, Exhibit 12 (entire chart and notes).	Google (Cramer Declaration ¶1309)	
Exhibit H2	Pg 132-133, Para. 242	Amazon (Morrill Declaration)	
Exhibit H2	Pg 132-133, Para. 242, n. 546	Amazon (Morrill Declaration)	
Exhibit H2	Page 134, Paragraph 243 (between “more than” and “also have at”).	Google (Cramer Declaration ¶1310)	
Exhibit H2	Page 134, Paragraph 244 (between “prominence with” and “share of”).	Google (Cramer Declaration ¶1311)	
Exhibit H2	Page 134, Paragraph 245 (between “June 2022,” and “of “GMS devices”; between “more than” and “devices that had”).	Google (Cramer Declaration ¶1312)	

Exhibit H2	Page 135, Paragraph 246 (between “there were” and “such downloads”; between “close to” and “downloads per”; between “half of these” and “downloads”; between “source. The” and “downloads from”; between “to the roughly” and “downloads from Google”; between “downloads for the” and “downloads including auto”; between “downloads for the” and “app installs”; between “less than” and “out of”; between “out of” and “that is, less”; between “less than” and “Thus, sideloaded”).	Google (Cramer Declaration ¶1313)	
Exhibit H2	Page 142, Paragraph 262, Note 587 (between “For example,” and “and”; between “and” and “are in Google’s”).	Google (Cramer Declaration ¶1314)	
Exhibit H2	Page 142, Paragraph 263 (between “to only about” and “before increasing”; between “rate of” and “is similar to”).	Google (Cramer Declaration ¶1315)	
Exhibit H2	Page 143, Exhibit 13 (entire chart).	Google (Cramer Declaration ¶1316)	
Exhibit H2	Page 145, Exhibit 14 (entire chart).	Google (Cramer Declaration ¶1317)	
Exhibit H2	Page 146, Paragraph 269 (between “fees apply” and “contrary to”).	Google (Cramer Declaration ¶1318)	
Exhibit H2	Page 147, Exhibit 15 (entire chart).	Google (Cramer Declaration ¶1319)	
Exhibit H2	Page 148, Paragraph 271 (between “Exhibit 5 above” and “As Exhibit 5 above illustrates,”; between “declined from” and “while the average”; between	Google (Cramer Declaration ¶1320)	



	“period ranged from” and “and from”; between “and from” and “respectively”).		
Exhibit H2	Pg 148, Para. 271	Amazon (Morrill Declaration)	
Exhibit H2	Page 158, Paragraph 284 (between “at most” and “of total devices”; between “failing to” and “in 2020”; between “PHAs increasing from” and “in 2017”; between “2017 to” and “in 2020”).	Google (Cramer Declaration ¶1321)	
Exhibit H2	Page 159, Paragraph 286 (between “country, showing:” and “of worldwide”; between “location, with” and “in Japan”; between “close to” and “in several countries”; between “Philippines, and” and “in other countries”).	Google (Cramer Declaration ¶1322)	
Exhibit H2	Pg 158, Para. 286, n. 644	Amazon (Morrill Declaration)	
Exhibit H2	Page 160, Paragraph 290 (between “Store revenue,” and “both worldwide”; between “increased from” and “to”; between “to” and “worldwide (excluding”; between “and from” and “to”; between “to” and “in the United”; between “revenue increased” and “from”; between “from” and “to”; between “to” and “worldwide(excluding”; between “and from” and “to”; between “to” and “in the United”).)	Google (Cramer Declaration ¶1323)	
Exhibit H2	Page 161, Paragraph 290 (between “conduct because” and “is inconsistent”).	Google (Cramer Declaration ¶1324)	

Exhibit H2	Page 161-162, Exhibit 18 (entire chart and notes).	Google (Cramer Declaration ¶1325)	
Exhibit H2	Page 162, Exhibit 19 (entire chart and notes).	Google (Cramer Declaration ¶1326)	
Exhibit H2	Page 163, Paragraph 291 (between “expenses are” and “of Android”; between “Android revenue” and “thereby undermining”).	Google (Cramer Declaration ¶1327)	
Exhibit H2	Page 163, Exhibit 20 (entire chart).	Google (Cramer Declaration ¶1328)	
Exhibit H2	Page 164, Exhibit 20 (between “Notes:” and “4. Ads on”; between “Android revenue” and end of sentence).	Google (Cramer Declaration ¶1329)	
Exhibit H2	Page 164, Paragraph 292 (between “are also” and “of Google”).	Google (Cramer Declaration ¶1330)	
Exhibit H2	Page 165, Exhibit 21 (entire chart).	Google (Cramer Declaration ¶1331)	
Exhibit H2	Page 173, Paragraph 306 (between “showing that” and “Exhibit 4”; between “at most” and “of apps”).	Google (Cramer Declaration ¶1332)	
Exhibit H2	Page 185, Paragraph 334 (between “strategy was about” and end of sentence).	Google (Cramer Declaration ¶1333)	
Exhibit H2	Page 189, Paragraph 344 (between “less than” and “in the period”).	Google (Cramer Declaration ¶1334)	
Exhibit H2	Page 189, Exhibit 23 (all numbers in table after “2018” and “46.73% and “51.93%” and “1.34%”).	Google (Cramer Declaration ¶1335)	
Exhibit H2	Page 199-200, Paragraph 371	Google (Cramer	

	(between “shows that” and “Exhibit 25”; between “shows that” and “In addition,”; between “that entry” and “For example”; between “For example” and “Entry started”; between “shows how” and end of sentence).	Declaration ¶1336)	
Exhibit H2	Page 200, Exhibit 24 (entire chart).	Google (Cramer Declaration ¶1337)	
Exhibit H2	Page 201, Exhibit 25 (entire chart).	Google (Cramer Declaration ¶1338)	
Exhibit H2	Page 201, Exhibit 26 (entire chart).	Google (Cramer Declaration ¶1339)	
Exhibit H2	Page 216, Paragraph 406 (between “of roughly” and “for the period”; between “be approximately” and end of sentence).	Google (Cramer Declaration ¶1340)	
Exhibit H3	Motion Appendix D, Pages 52-53 (entire row of the chart beginning on page 52 and continuing to page 53).	Sony (Jacobs Declaration ¶3)	
Exhibit H4	Exhibit 10, Page 123 (the row relating to Sony in the right-hand box on Exhibit 10 and the data relating to Sony in the left-hand chart on Exhibit 10 remain).	Sony (Jacobs Declaration ¶4)	
<b>Plaintiffs’ Opposition to Google’s Motion to Exclude Opinions Offered by Marc Rysman and all relevant exhibits [Dkt. No. 512]</b>			
Exhibit I1	Exhibit I, Page 77, Note 173 (between “which has grown from” and “and (ii) the number of U.S.”; between “which has grown from” and “GOOG-PLAY-001047926”).	Google (Cramer Declaration ¶1342)	

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3 Dated: , 2023

4 Honorable James Donato  
5 United States District Judge  
6 Northern District of California  
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